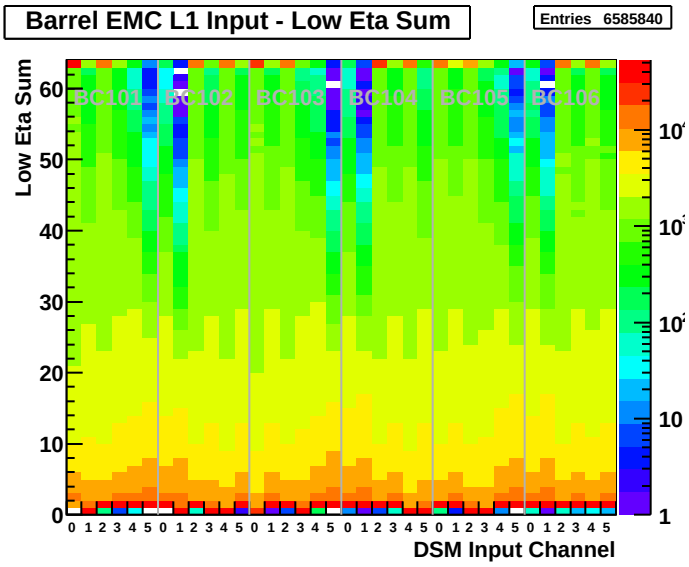
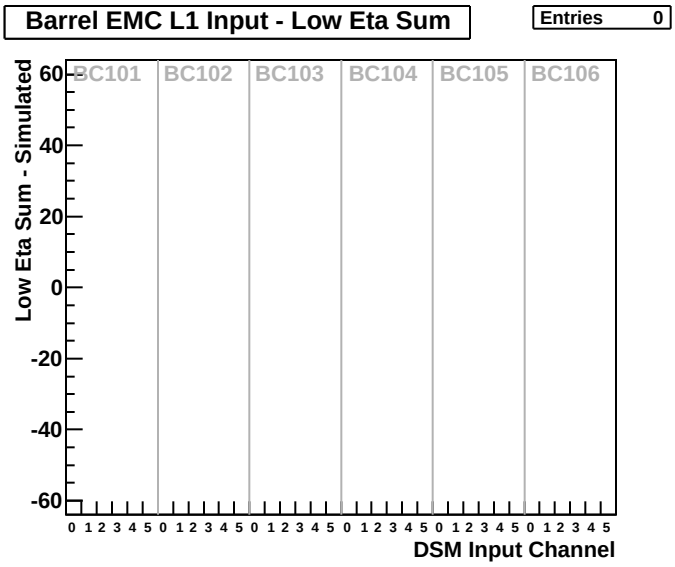
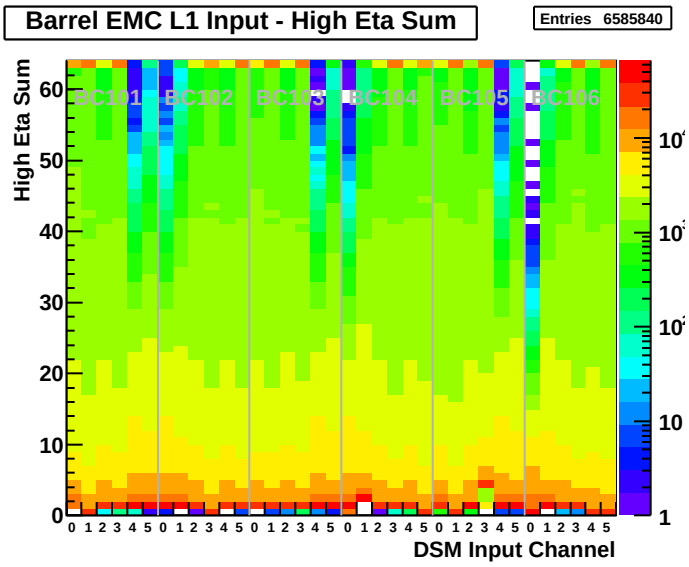
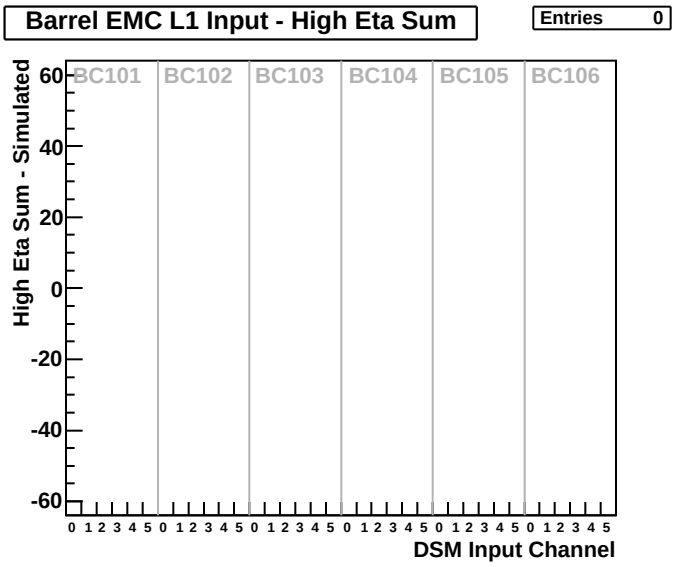
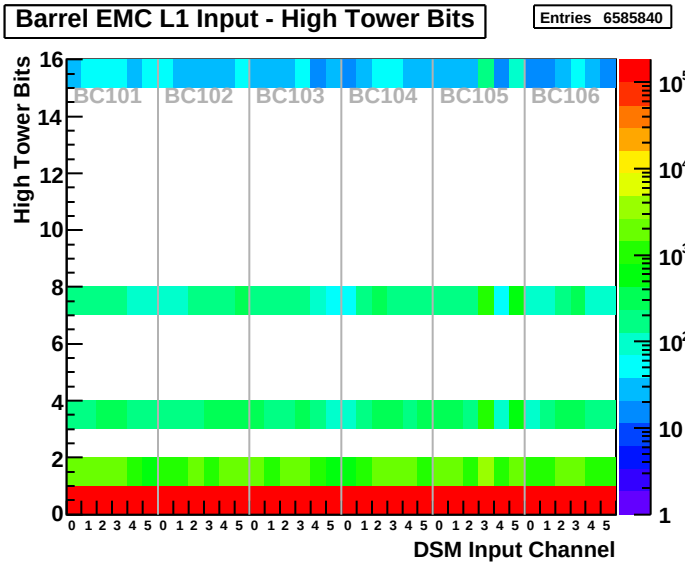
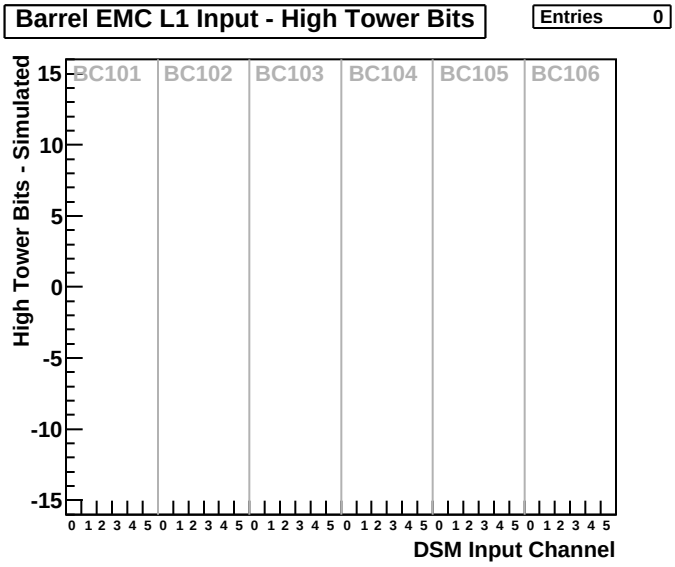

Barrel EMC L1 Input - Low Eta Sum
Entries 6585840
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

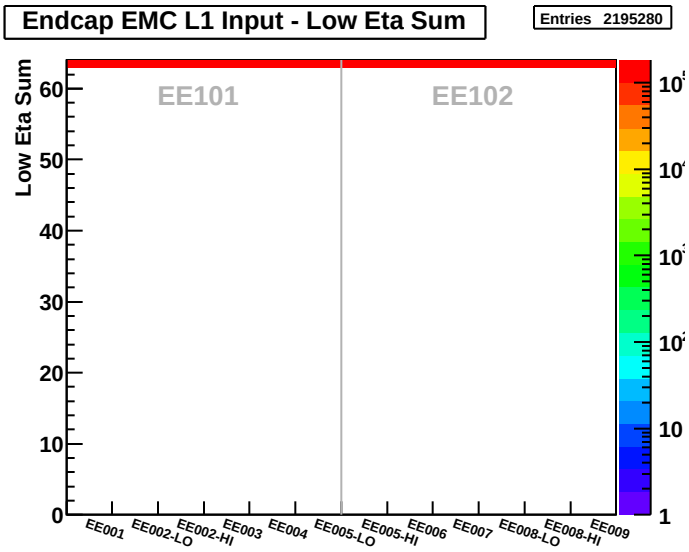

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

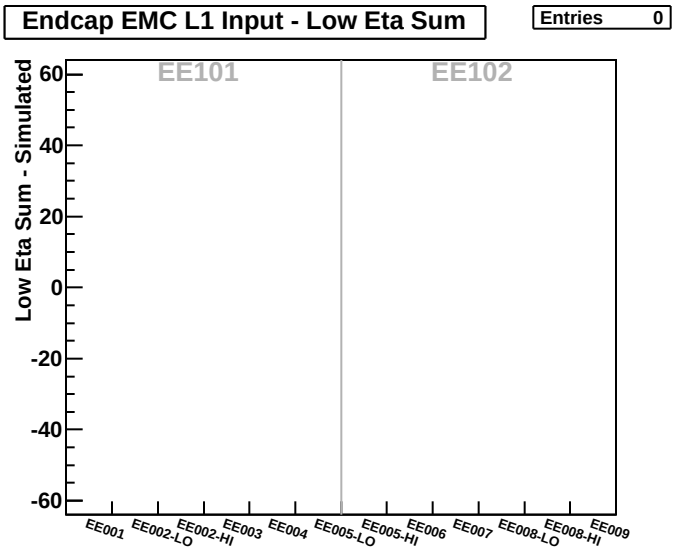

Barrel EMC L1 Input - High Eta Sum
Entries 6585840
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

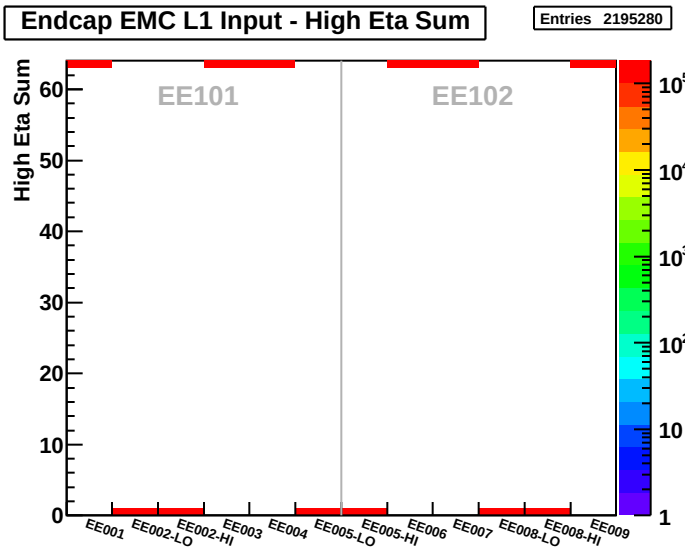

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

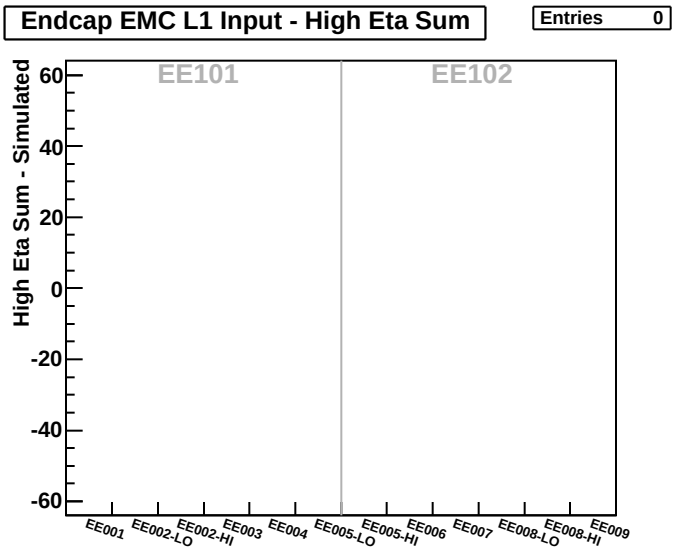

Barrel EMC L1 Input - High Tower Bits
Entries 6585840
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

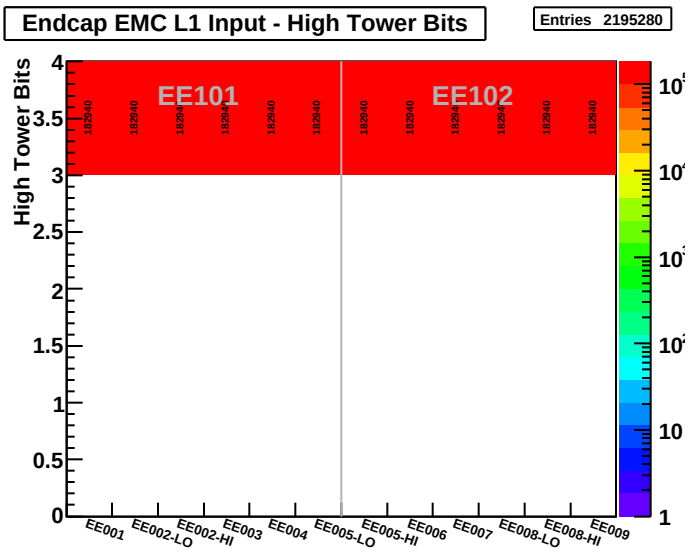

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

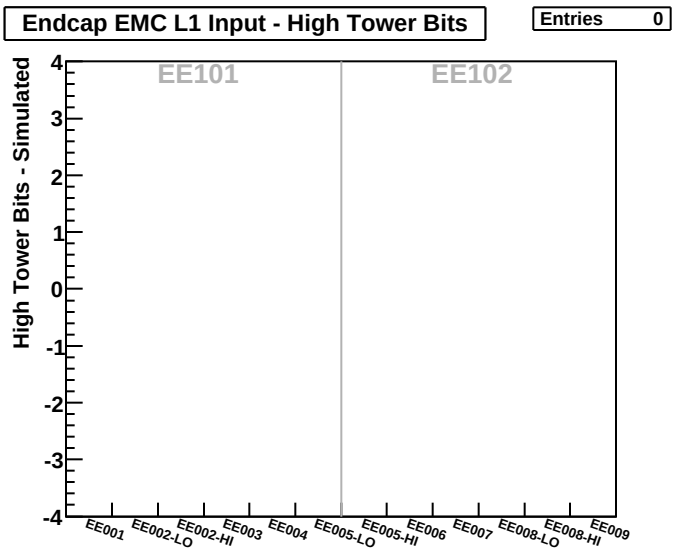

Endcap EMC L1 Input - Low Eta Sum
Entries 2195280
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

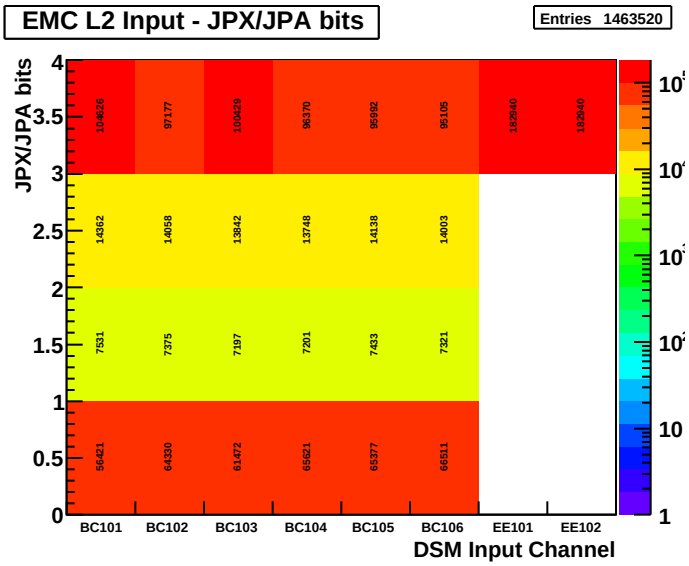

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

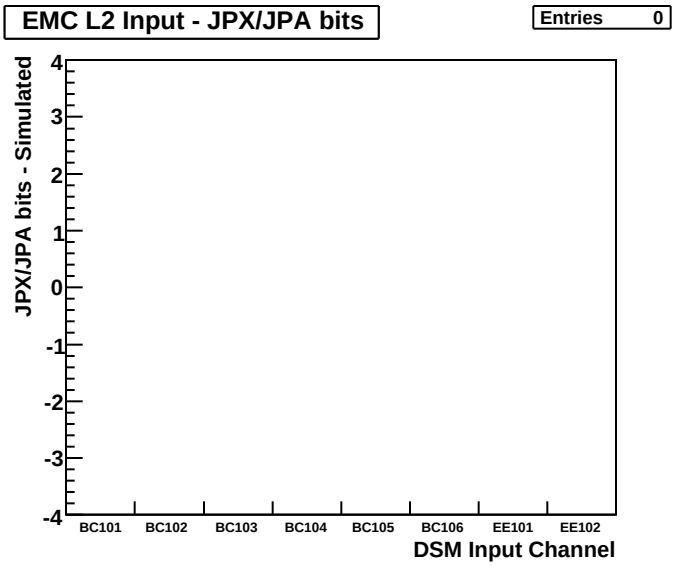

Endcap EMC L1 Input - High Eta Sum
Entries 2195280
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

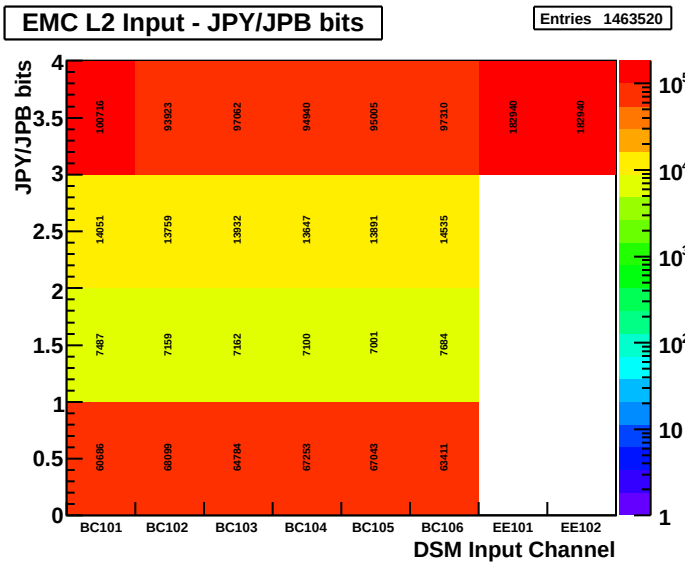

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

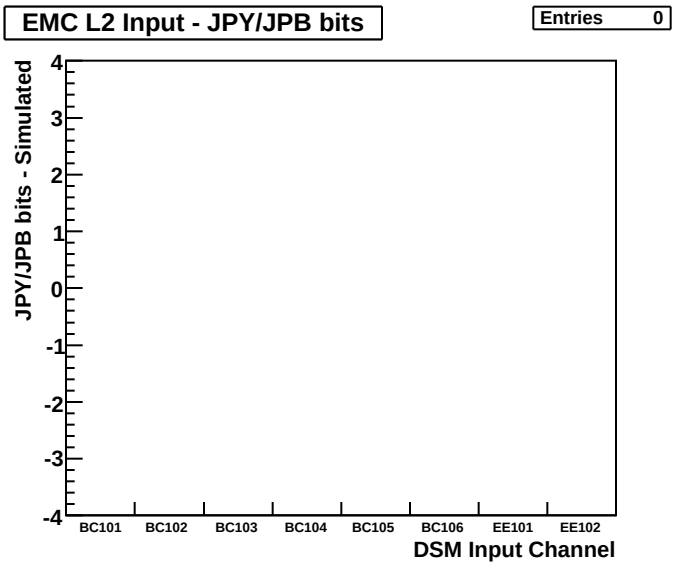

Endcap EMC L1 Input - High Tower Bits
Entries 2195280
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

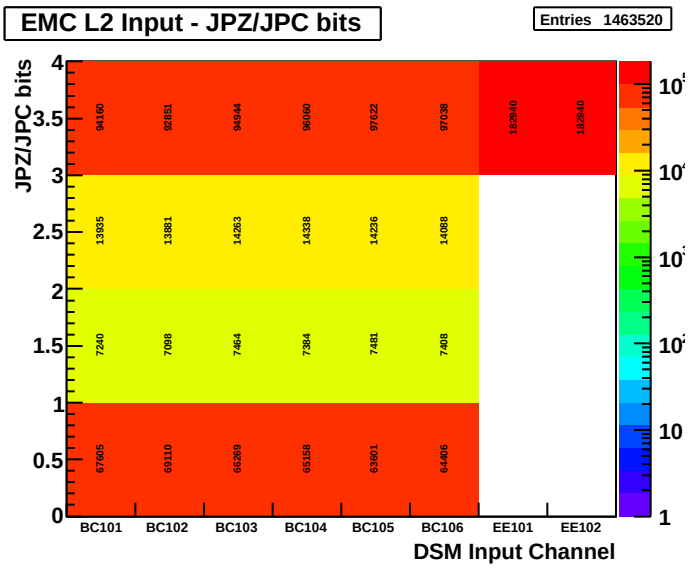

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

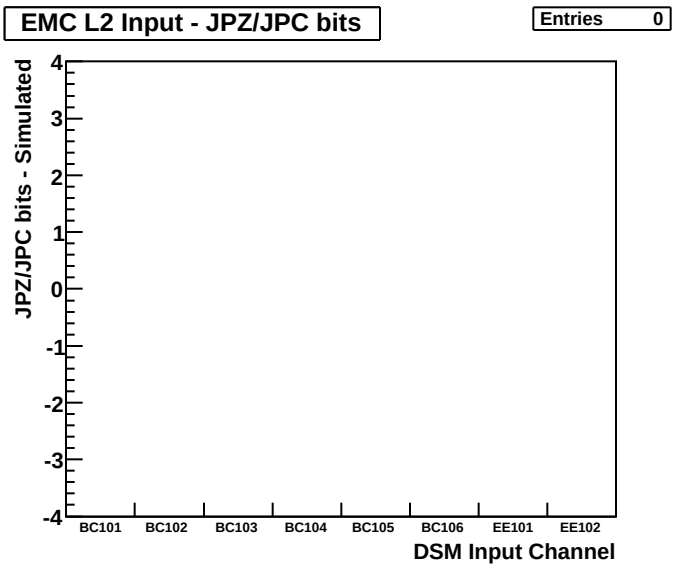

EMC L2 Input - JPX/JPA bits
Entries 1463520
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
104626 97177 100429 96370 95992 95105 182940 182940
14362 14058 13842 13748 14138 14003
7531 7375 7197 7201 7433 7321
56421 64330 61472 65621 65377 66511

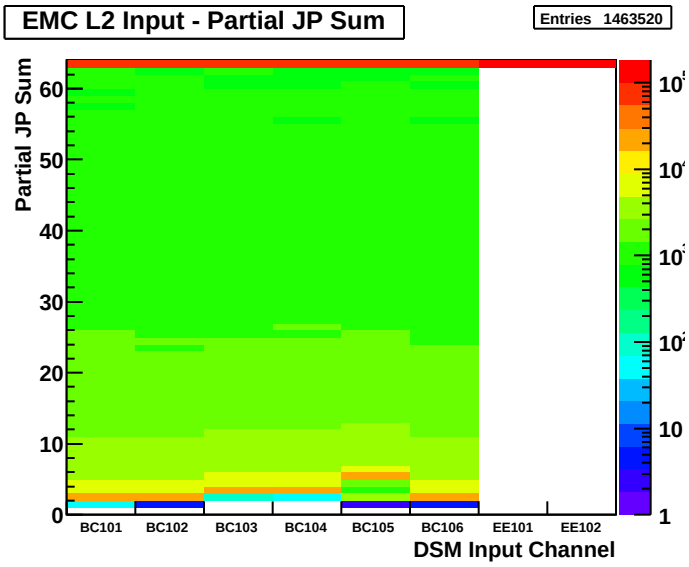

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

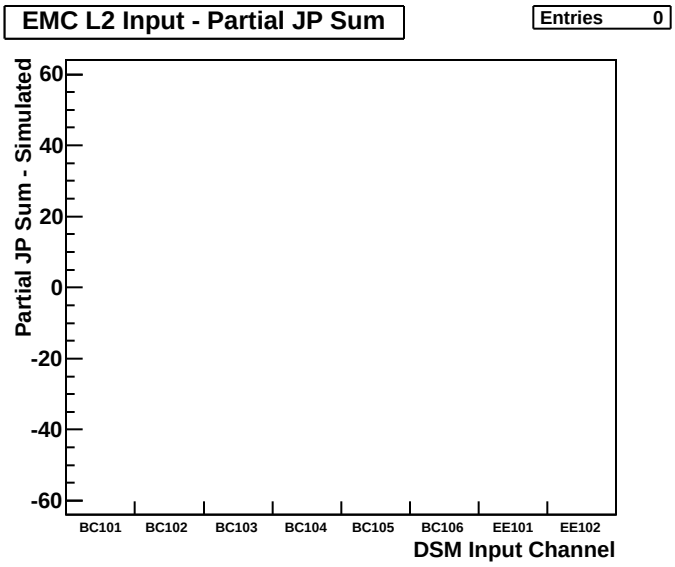

EMC L2 Input - JPY/JPB bits
Entries 1463520
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
100716 93923 97062 94940 95005 97310 182940 182940
14051 13759 13932 13647 13891 14535
7487 7359 7362 7300 7001 7684
60686 68099 64784 67253 67043 63411

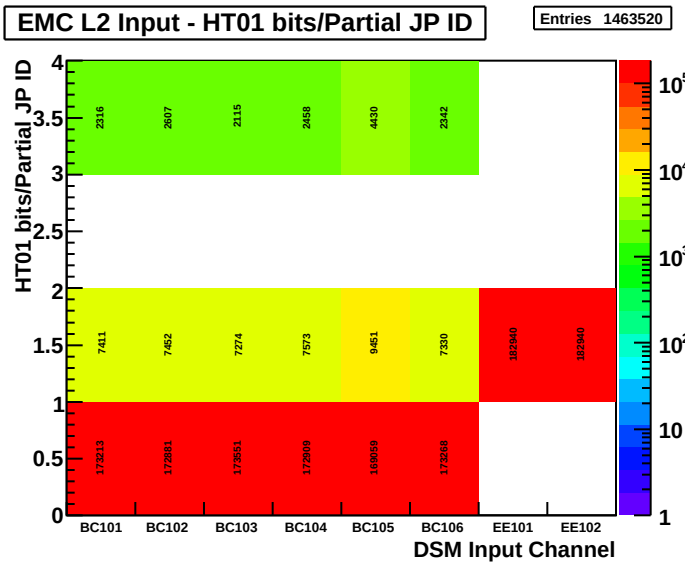

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

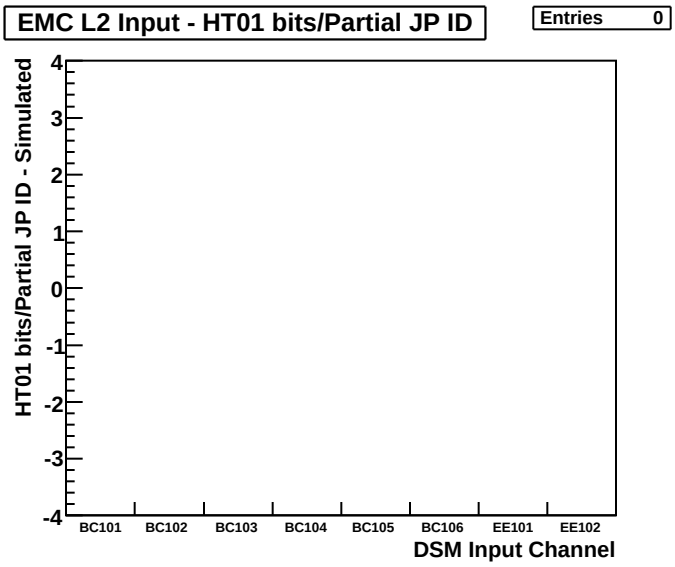

EMC L2 Input - JPZ/JPC bits
Entries 1463520
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
94160 92851 94944 96060 97622 97038 182940 182940
13935 13881 14263 14338 14236 14088
7240 7098 7464 7384 7481 7408
67605 69110 66369 65158 63601 64406

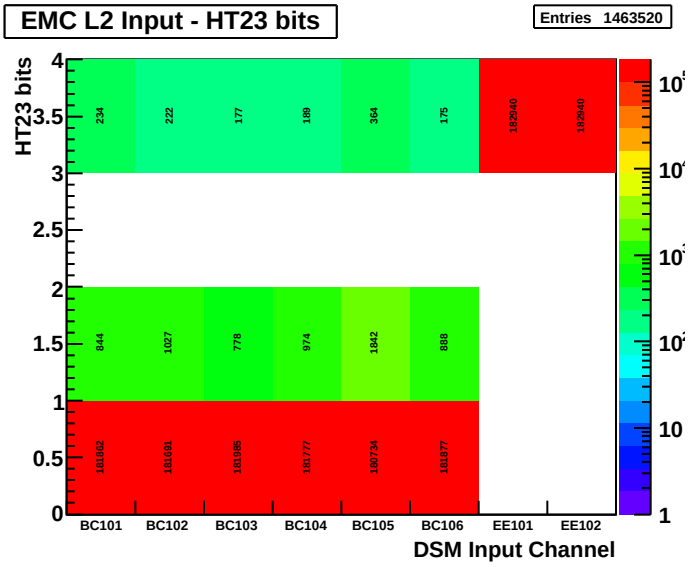

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

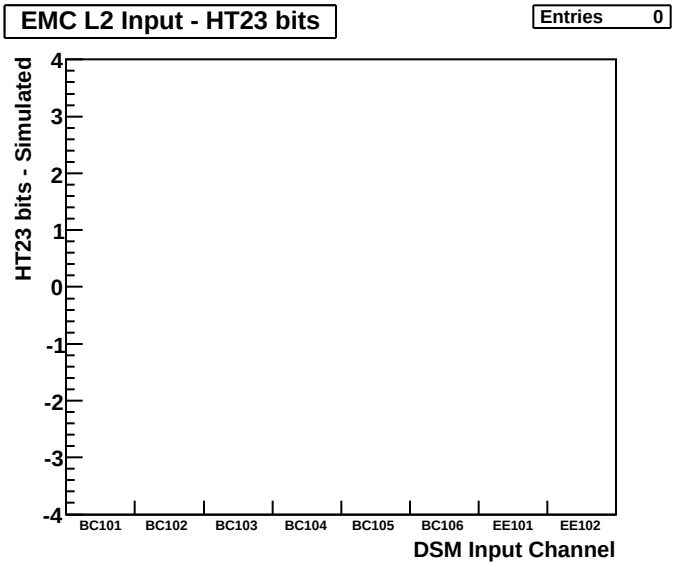

EMC L2 Input - Partial JP Sum
Entries 1463520
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

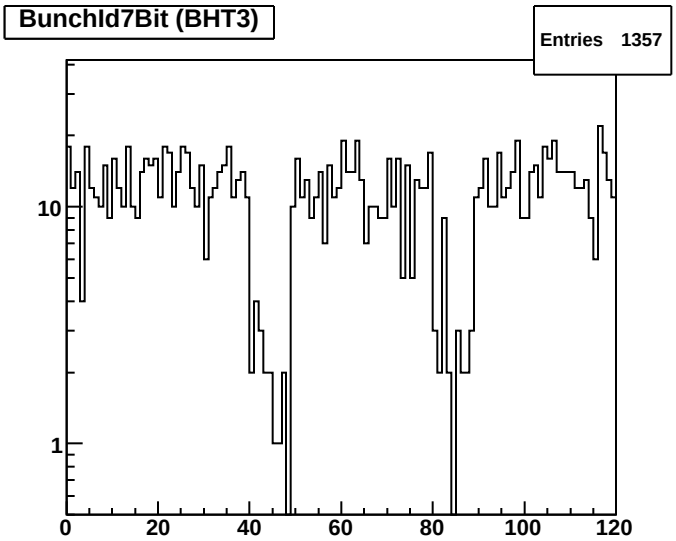

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

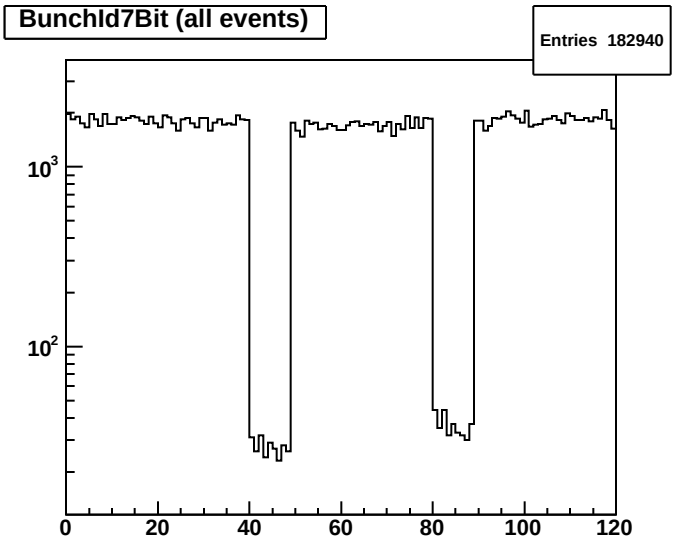

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1463520
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

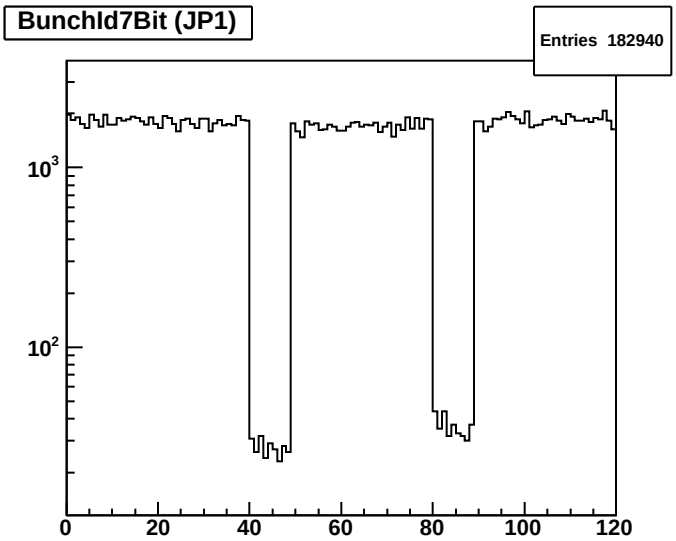

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

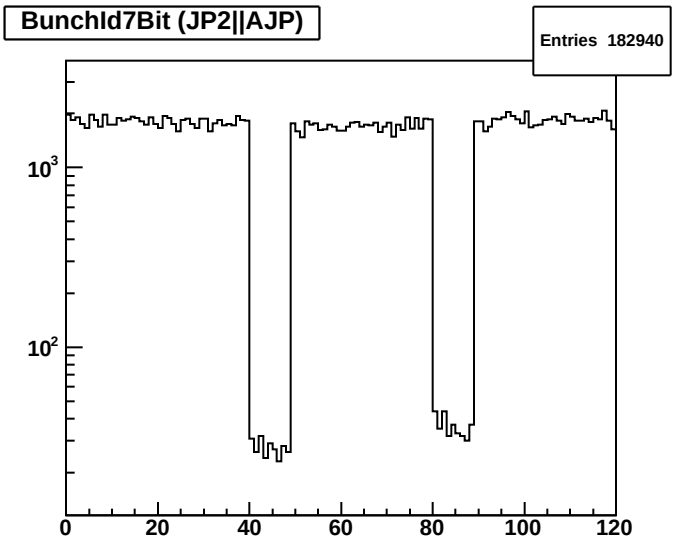

EMC L2 Input - HT23 bits
Entries 1463520
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

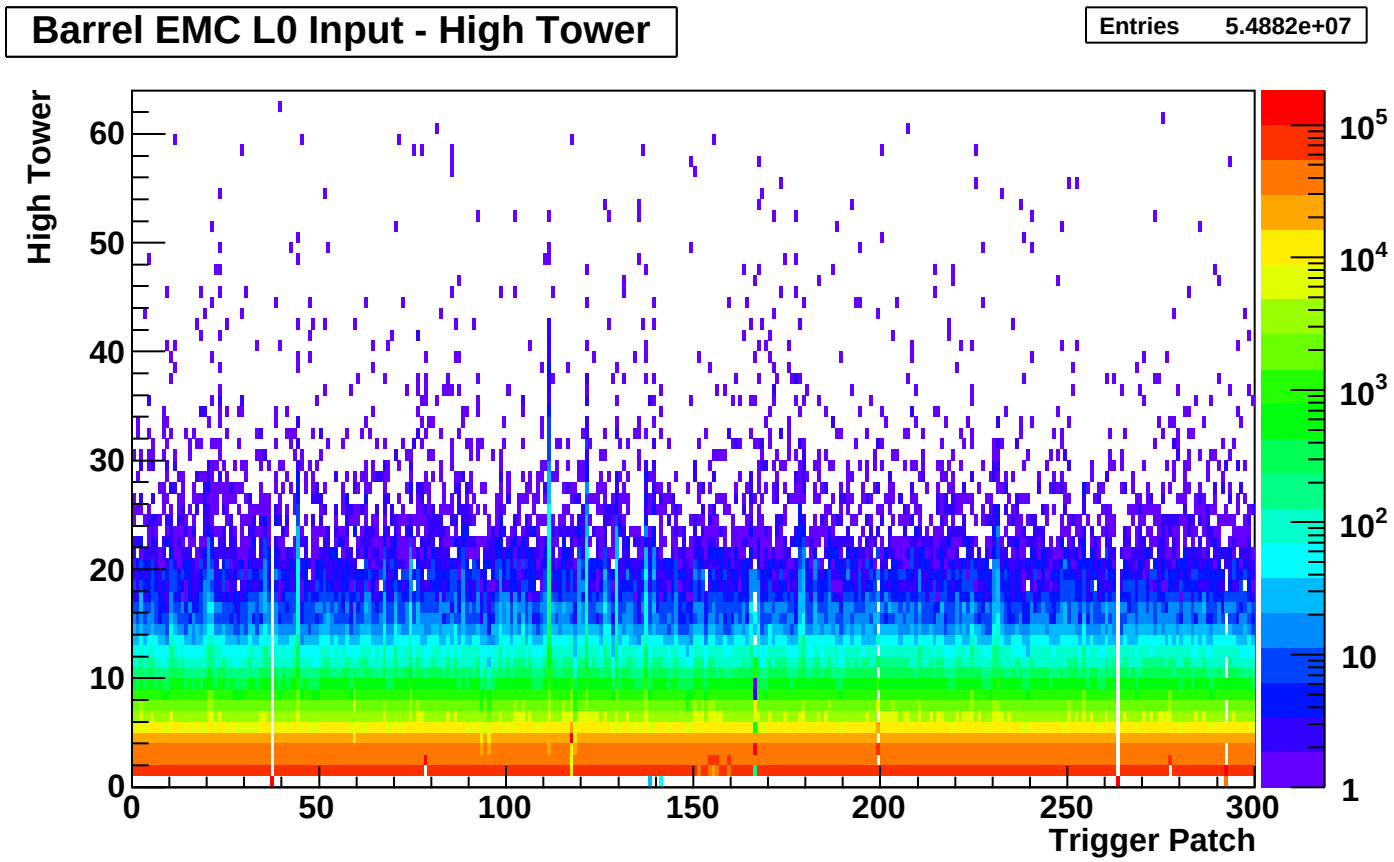

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

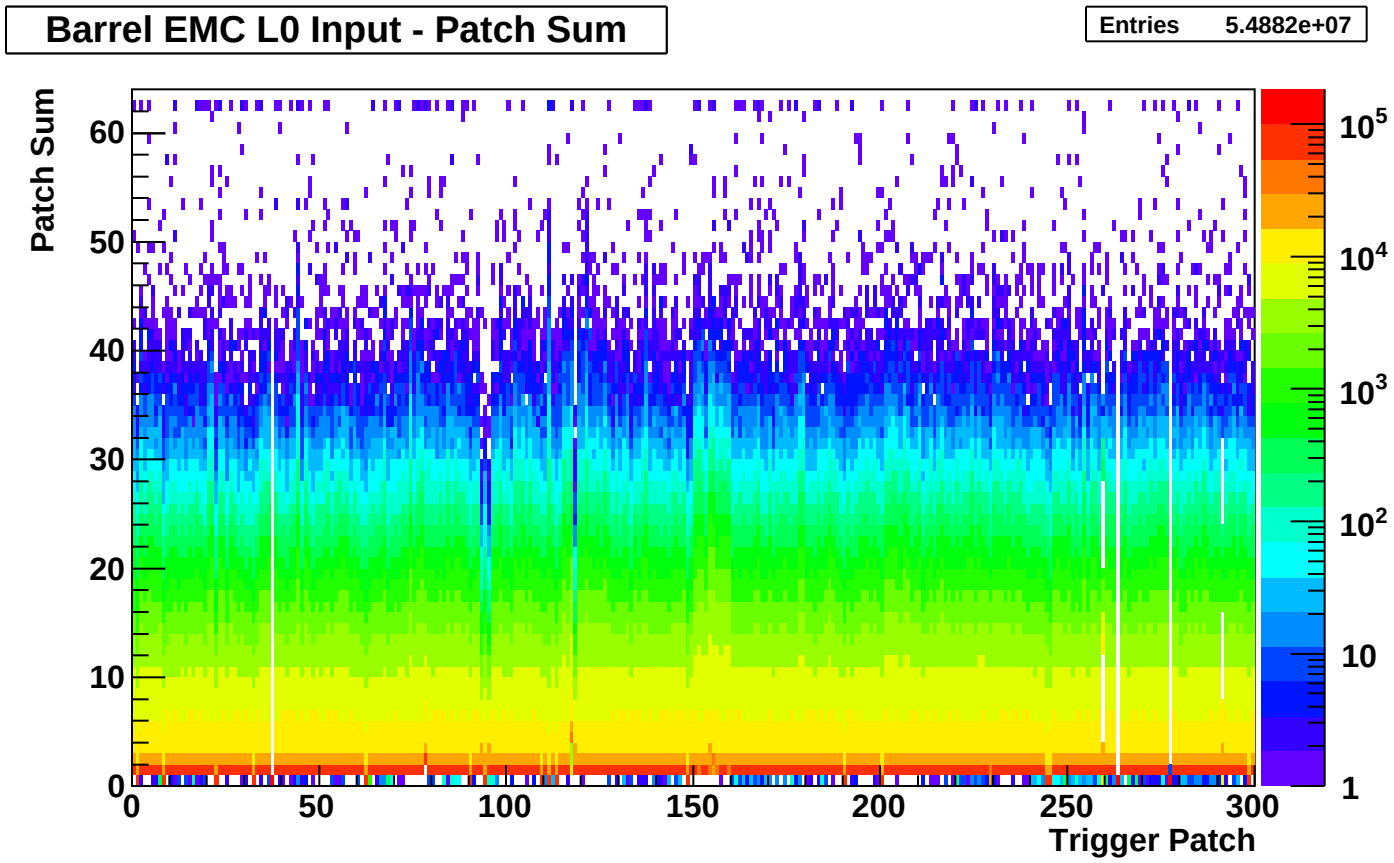

BunchId7Bit (BHT3)
Entries 1357
10
1
0
20
40
60
80
100
120

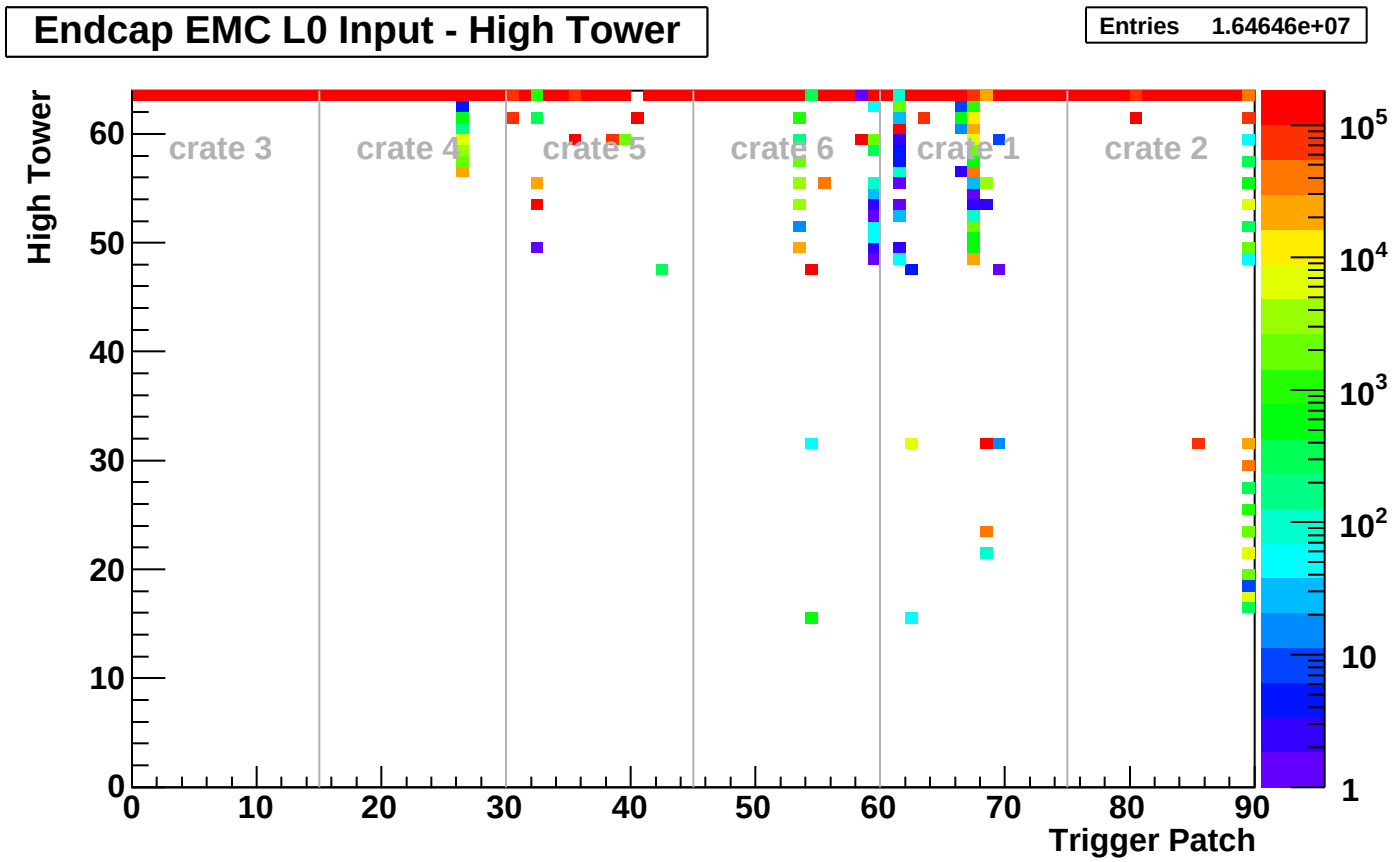

BunchId7Bit (all events)
Entries 182940
10^3
10^2
0
20
40
60
80
100
120

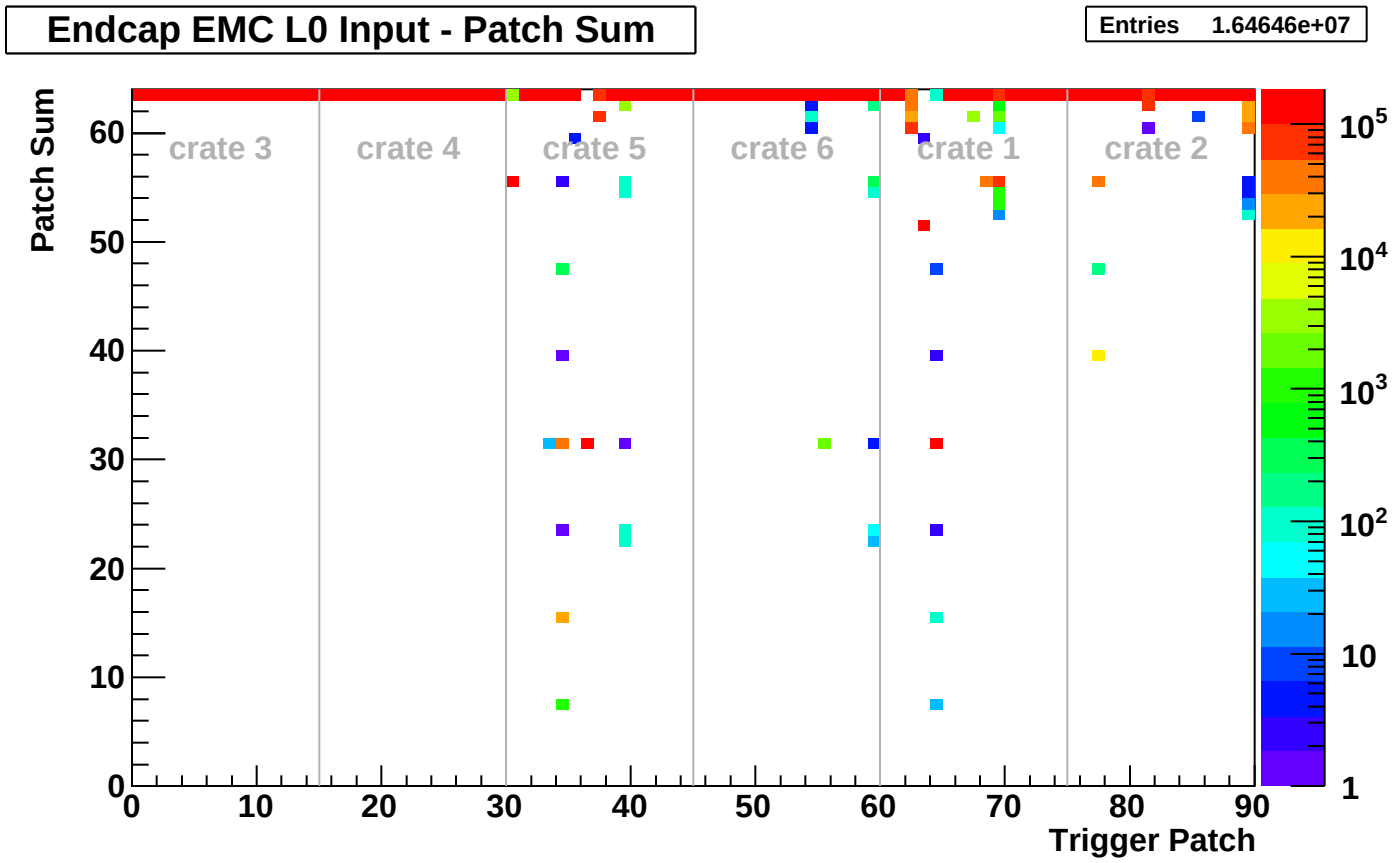

BunchId7Bit (JP1)
Entries 182940
10^3
10^2
0
20
40
60
80
100
120

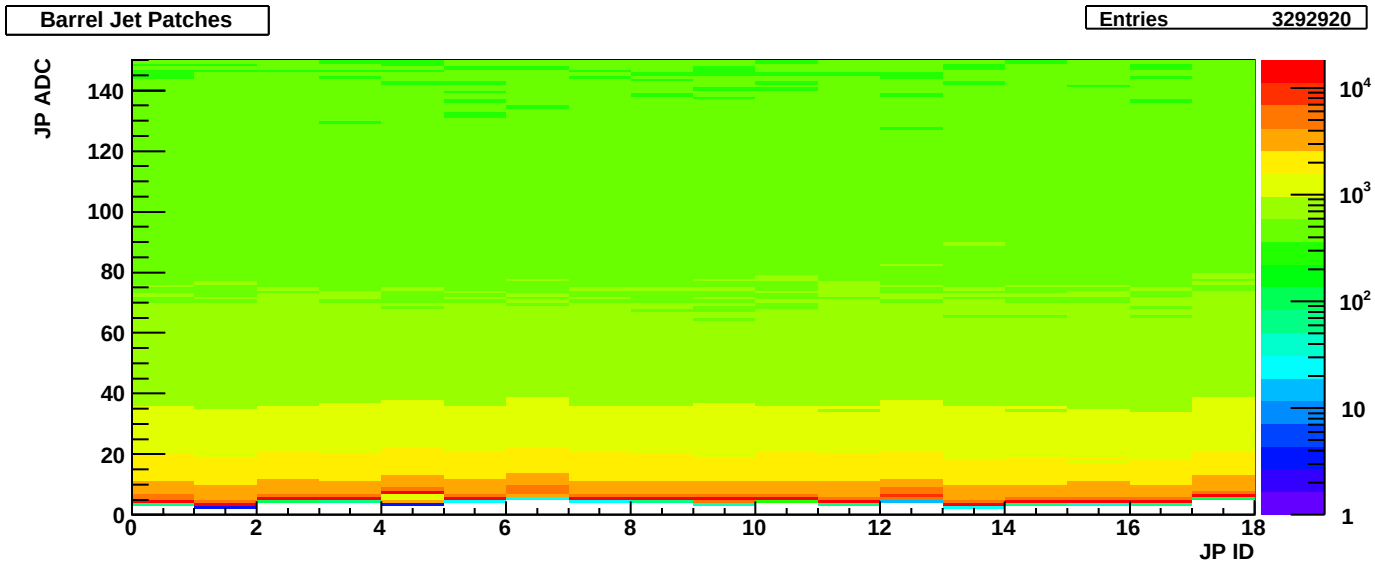

BunchId7Bit (JP2||AJP)
Entries 182940
10^3
10^2
0
20
40
60
80
100
120

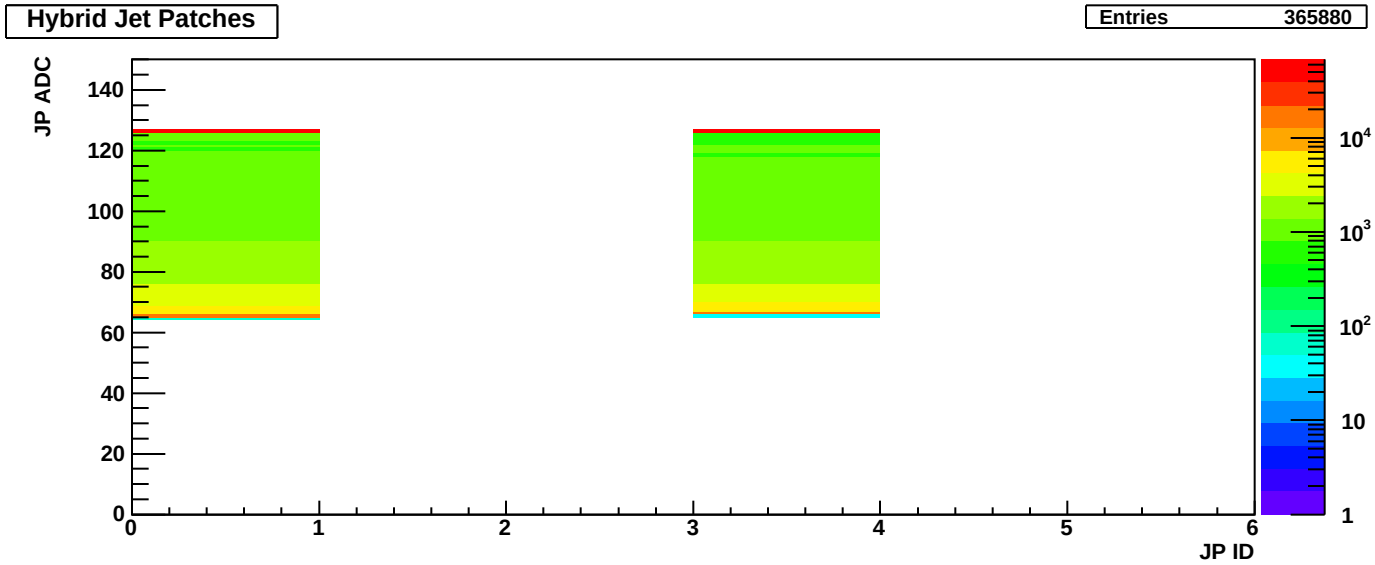

Barrel EMC L0 Input - High Tower
Entries 5.4882e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

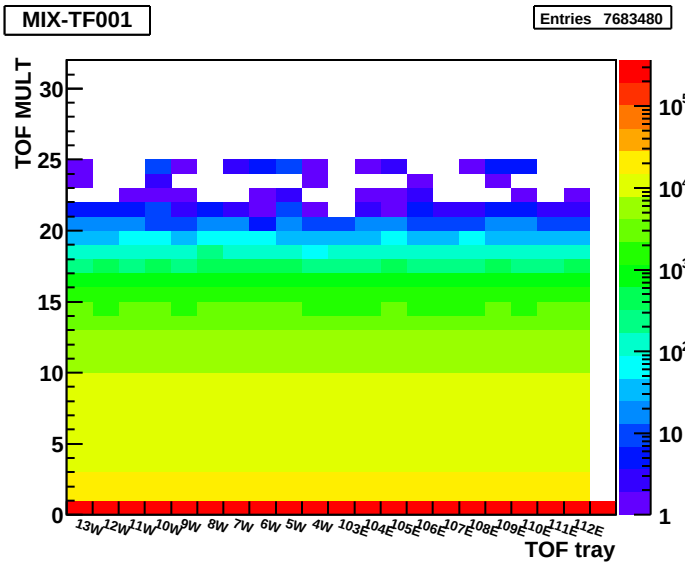

Barrel EMC L0 Input - Patch Sum
Entries 5.4882e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

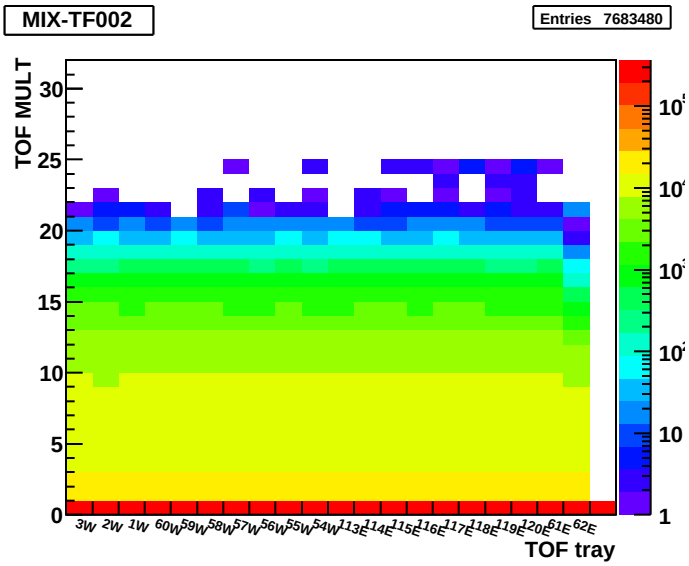

Endcap EMC L0 Input - High Tower
Entries 1.64646e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

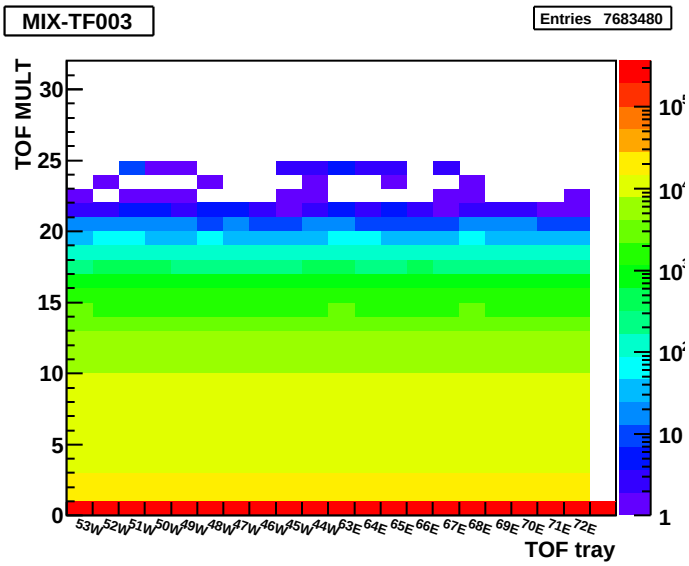

Endcap EMC L0 Input - Patch Sum
Entries 1.64646e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

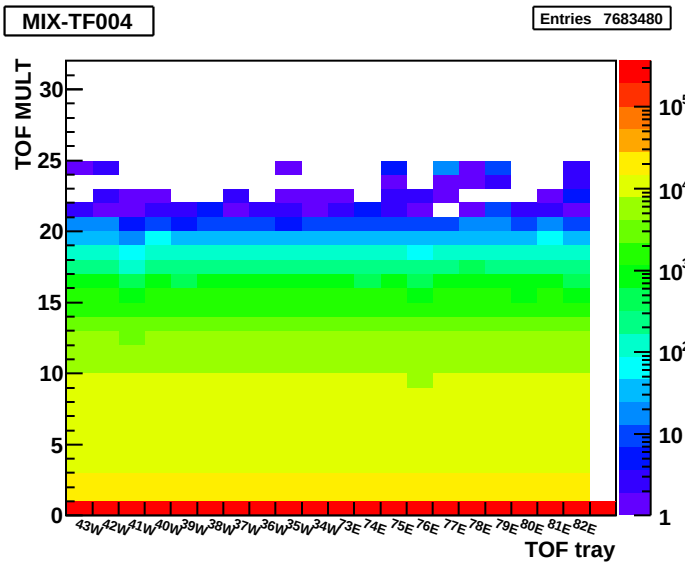

Barrel Jet Patches
Entries 3292920
JP ADC
JP ID

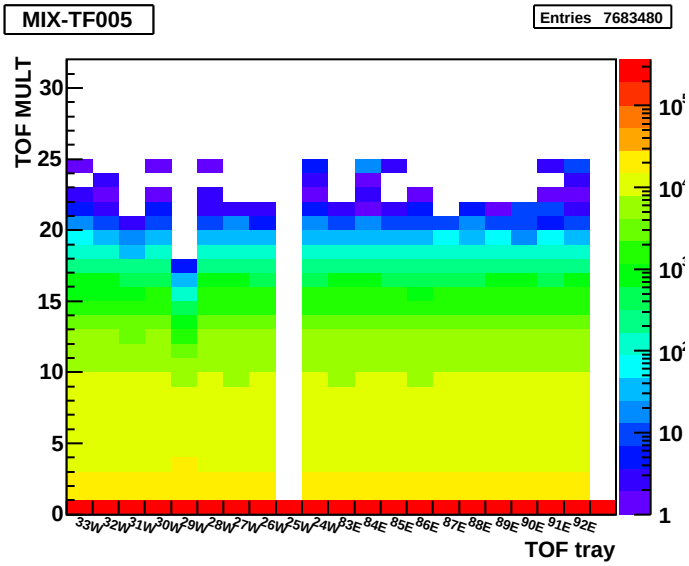

Hybrid Jet Patches
Entries 365880
JP ADC
JP ID

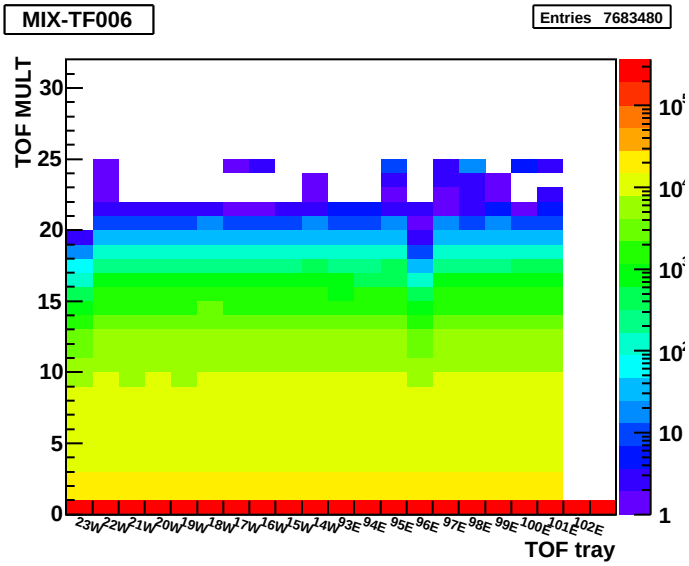

MIX-TF001
Entries 7683480
TOF MULT
TOF tray

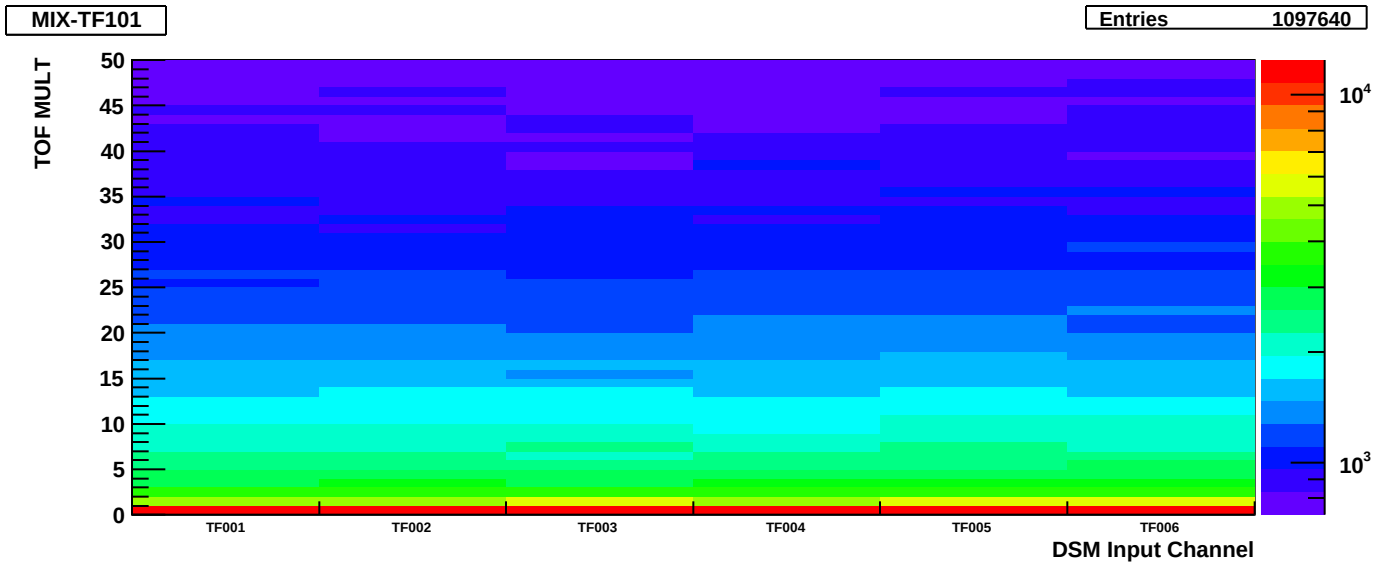

MIX-TF002
Entries 7683480
TOF MULT
TOF tray

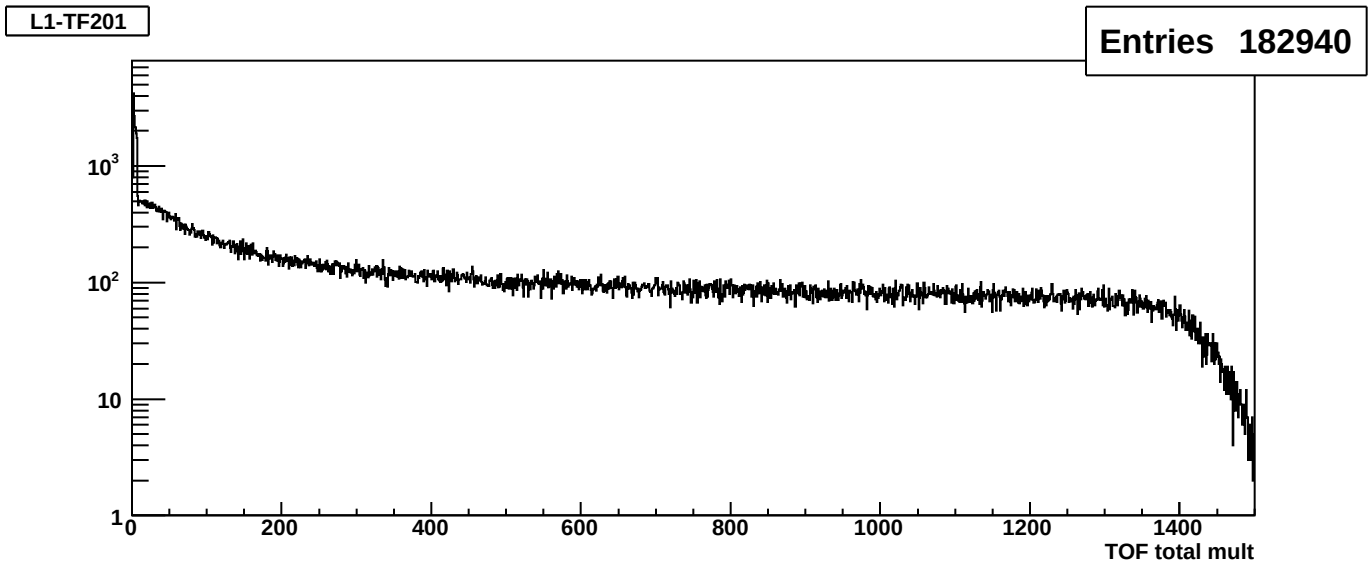

MIX-TF003
Entries 7683480
TOF MULT
TOF tray

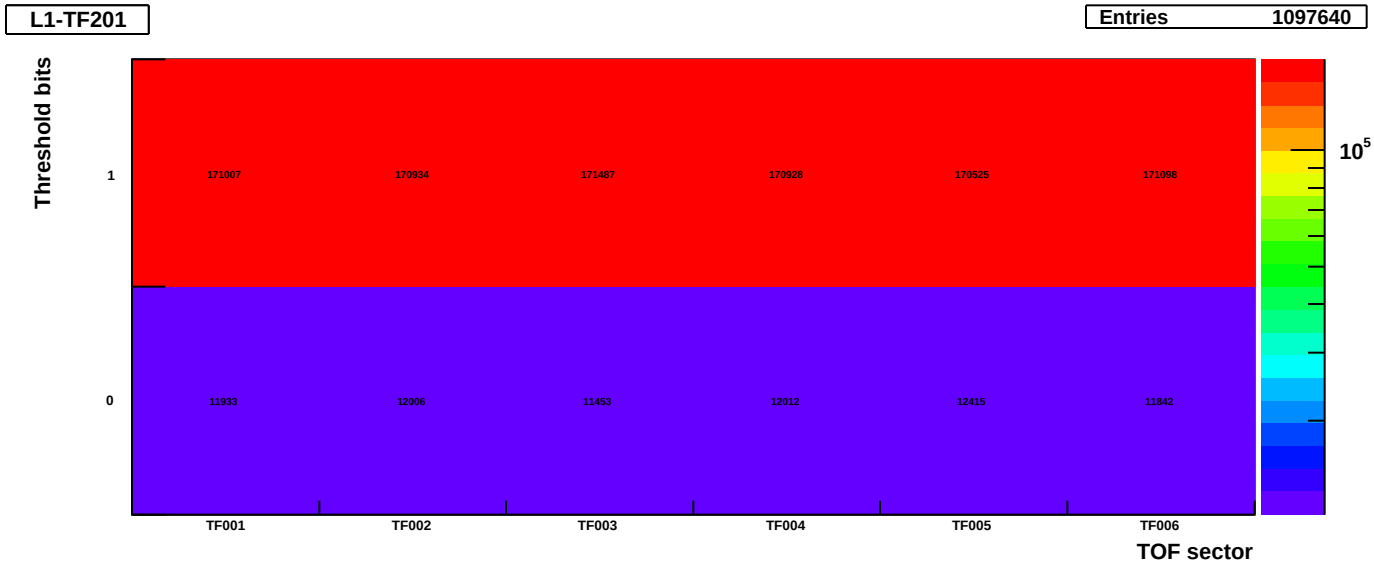

MIX-TF004
Entries 7683480
TOF MULT
TOF tray

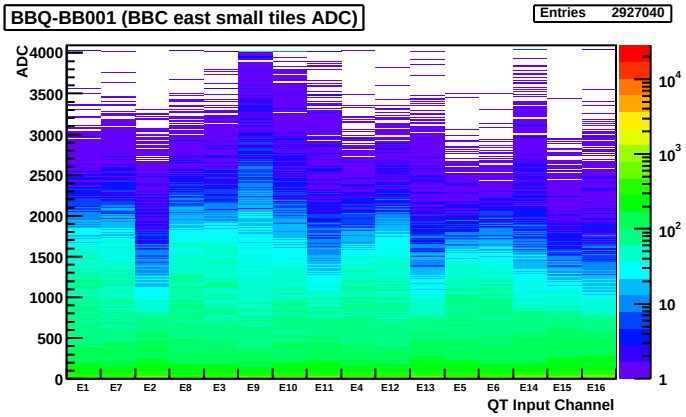

MIX-TF005
Entries 7683480
TOF MULT
TOF tray

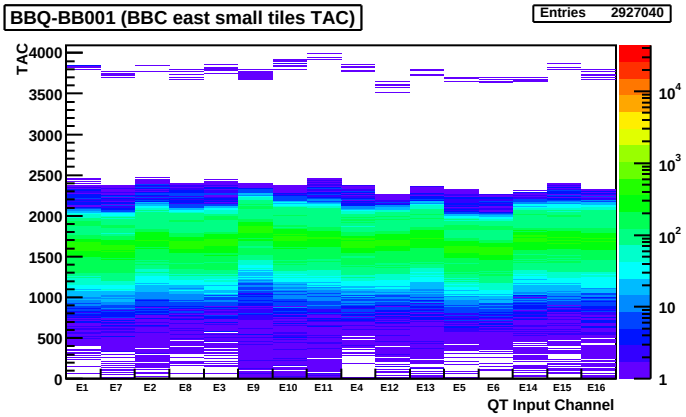

MIX-TF006
Entries 7683480
TOF MULT
TOF tray

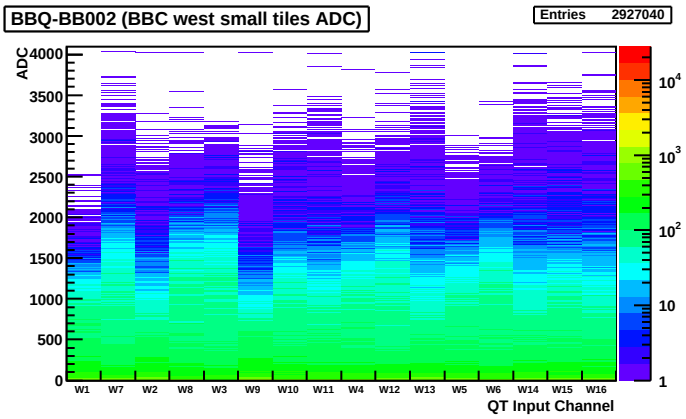

MIX-TF101
Entries 1097640
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3

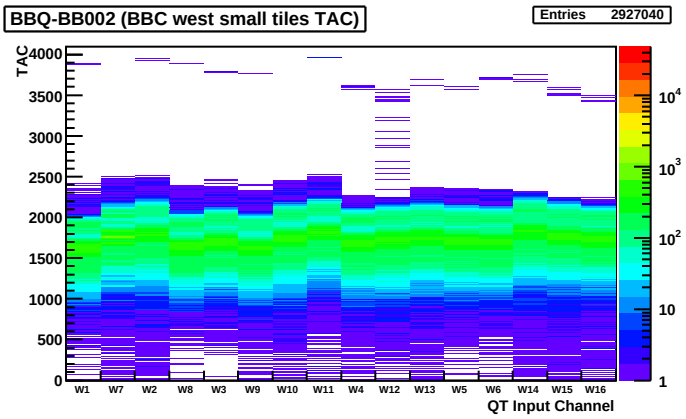

L1-TF201
Entries 182940
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

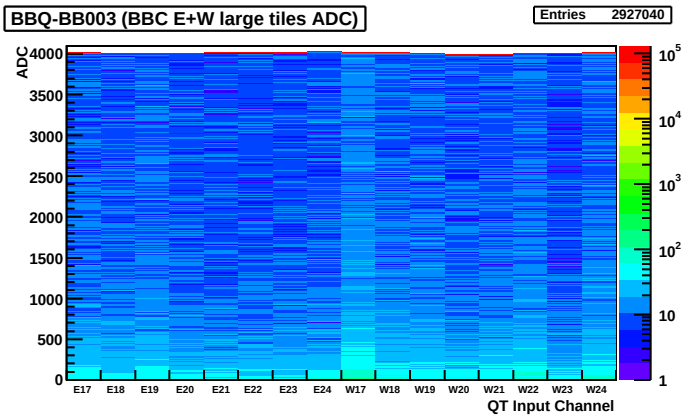

L1-TF201
Entries 1097640
Threshold bits
1
0
171007
170934
171487
170928
170525
171098
11933
12006
11453
12012
12415
11842
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

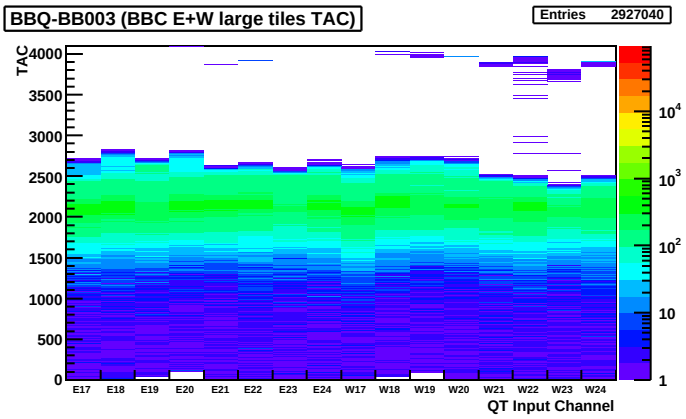

BBQ-BB001 (BBC east small tiles ADC)
Entries 2927040
ADC
QT Input Channel

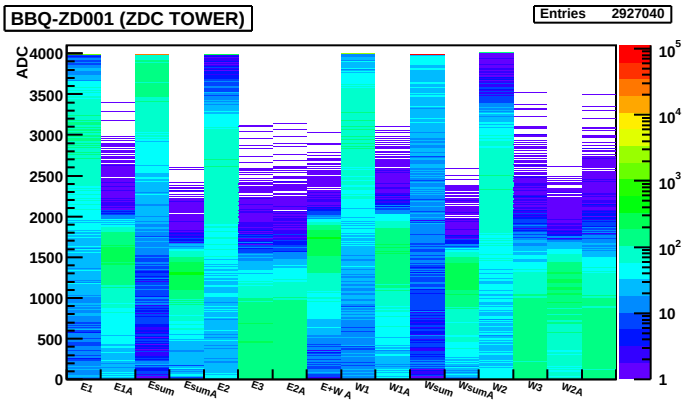

BBQ-BB001 (BBC east small tiles TAC)
Entries 2927040
TAC
QT Input Channel

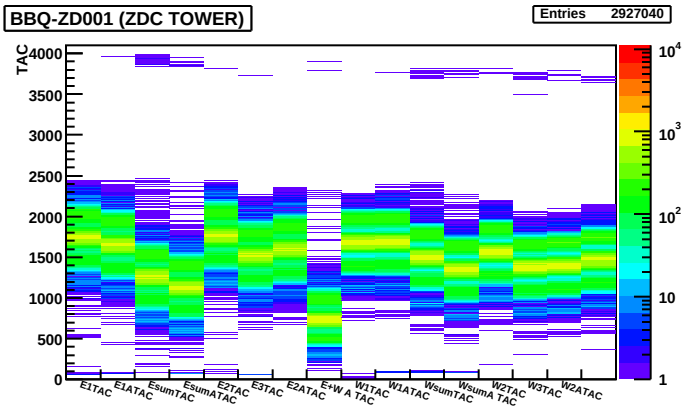

BBQ-BB002 (BBC west small tiles ADC)
Entries 2927040
ADC
QT Input Channel

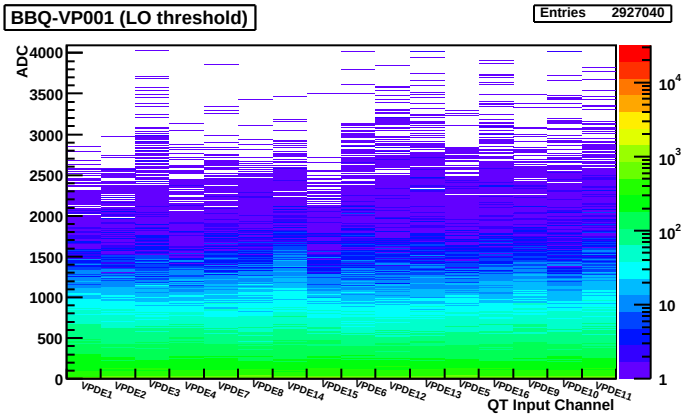

BBQ-BB002 (BBC west small tiles TAC)
Entries 2927040
TAC
QT Input Channel

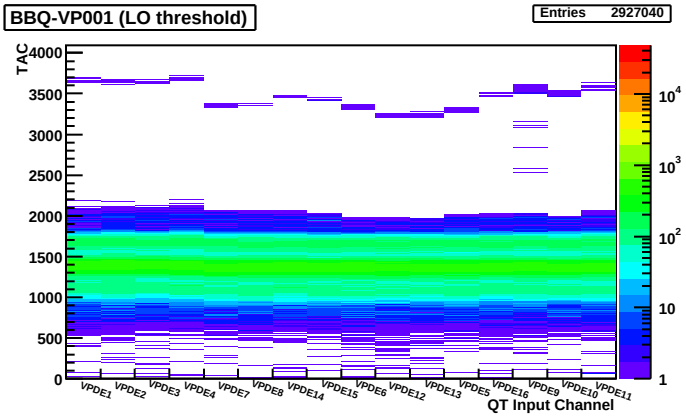

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 2927040
ADC
QT Input Channel

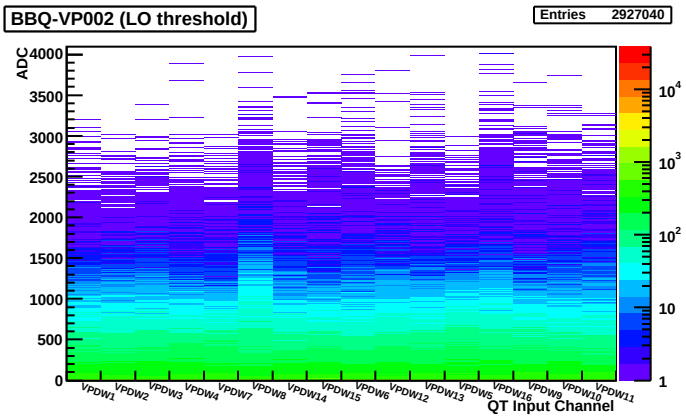

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 2927040
TAC
QT Input Channel

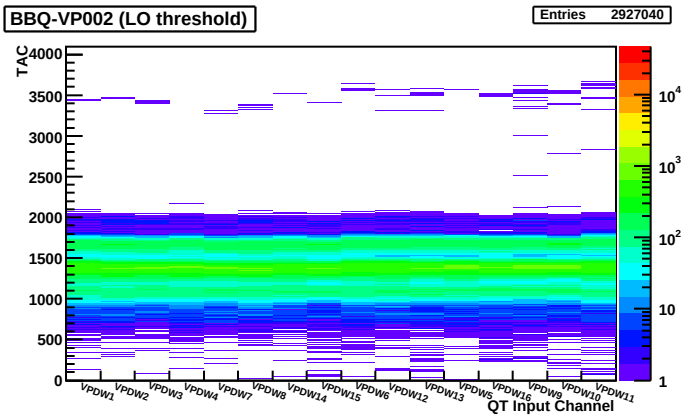

BBQ-ZD001 (ZDC TOWER)
Entries 2927040
ADC

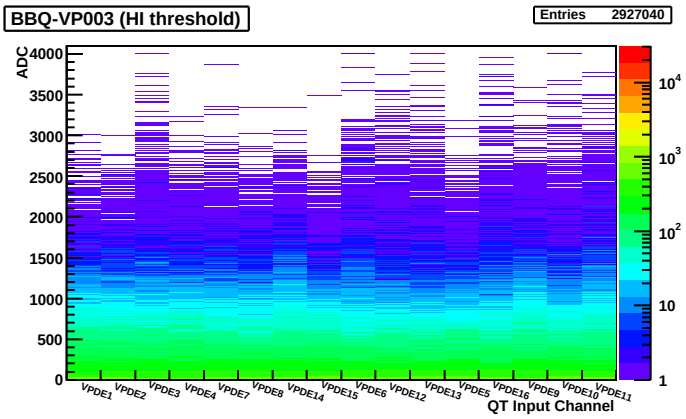

BBQ-ZD001 (ZDC TOWER)
Entries 2927040
TAC

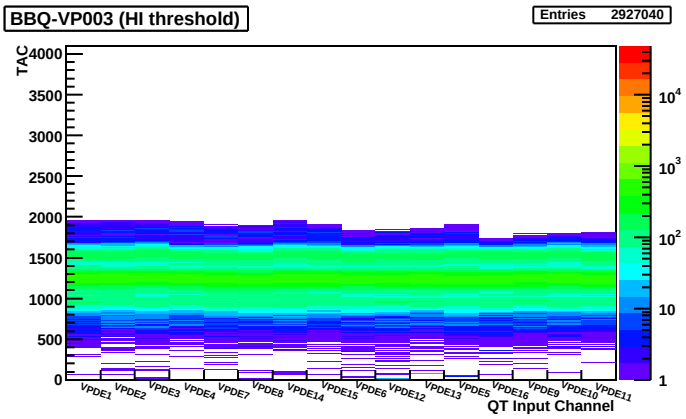

BBQ-VP001 (LO threshold)
Entries 2927040
ADC
QT Input Channel

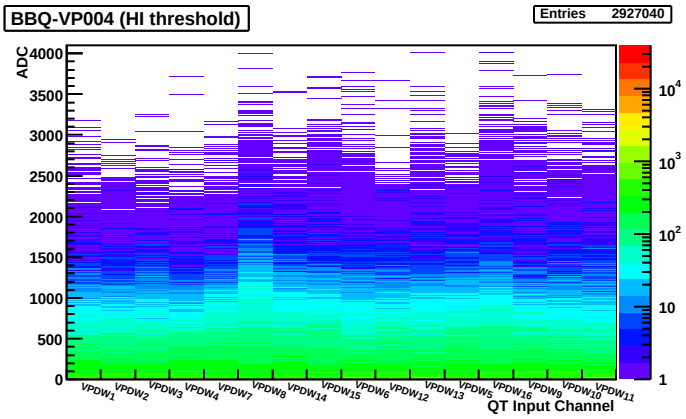

BBQ-VP001 (LO threshold)
Entries 2927040
TAC
QT Input Channel

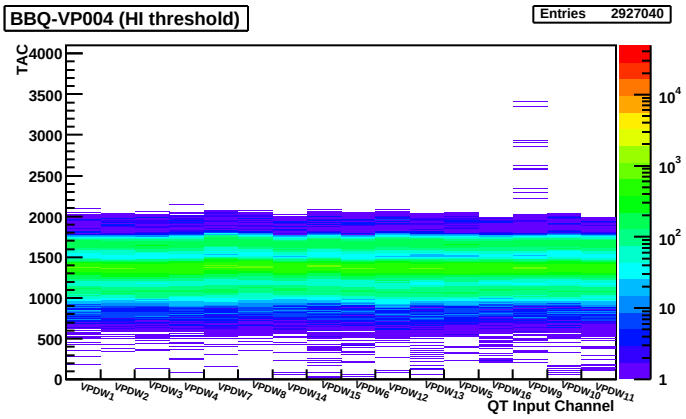

BBQ-VP002 (LO threshold)
Entries 2927040
ADC
QT Input Channel

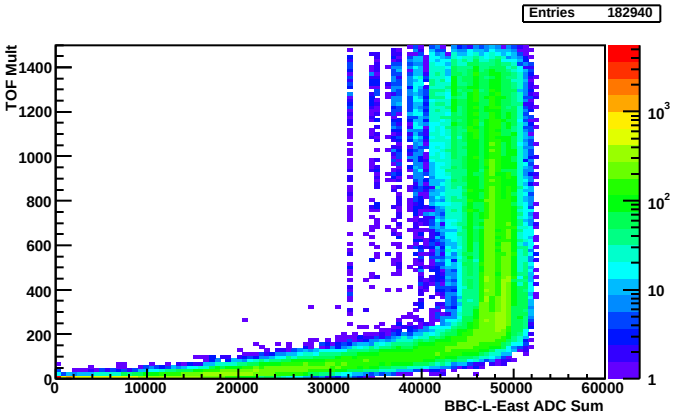

BBQ-VP002 (LO threshold)
Entries 2927040
TAC
QT Input Channel

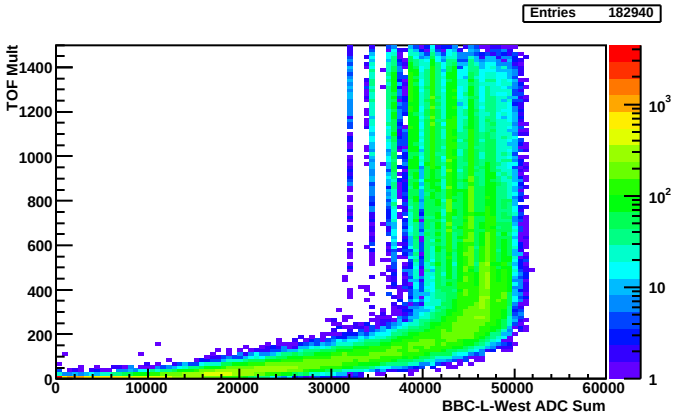

BBQ-VP003 (HI threshold)
Entries 2927040
ADC
QT Input Channel

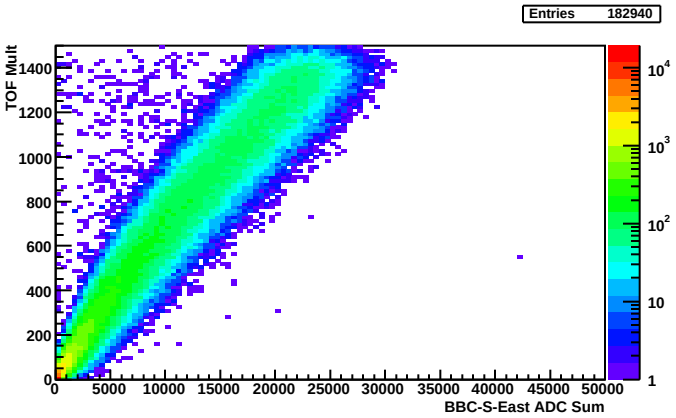

BBQ-VP003 (HI threshold)
Entries 2927040
TAC
QT Input Channel

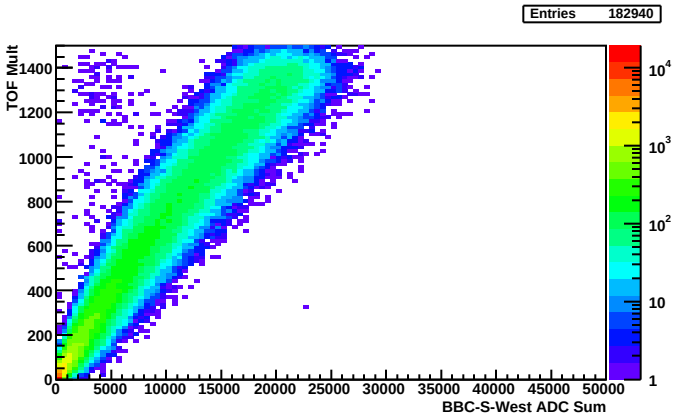

BBQ-VP004 (HI threshold)
Entries 2927040
ADC
QT Input Channel

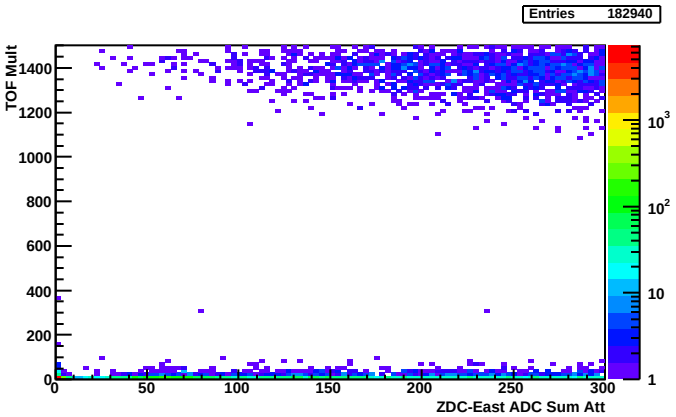

BBQ-VP004 (HI threshold)
Entries 2927040
TAC
QT Input Channel

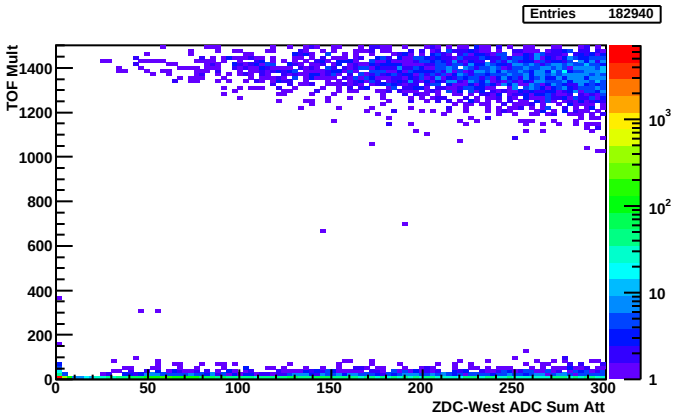

Entries 182940
TOF Mult
BBC-L-East ADC Sum

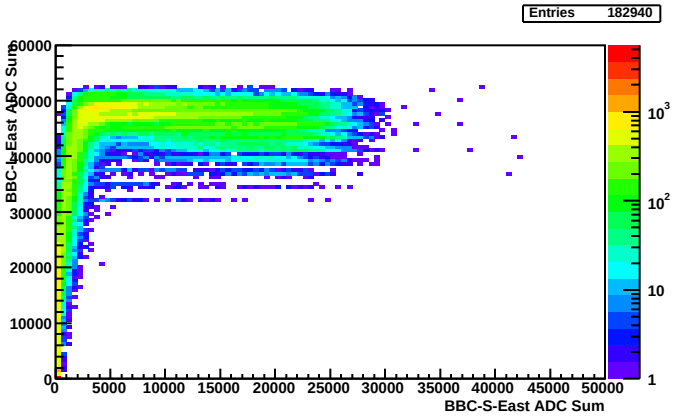

Entries 182940
TOF Mult
BBC-L-West ADC Sum

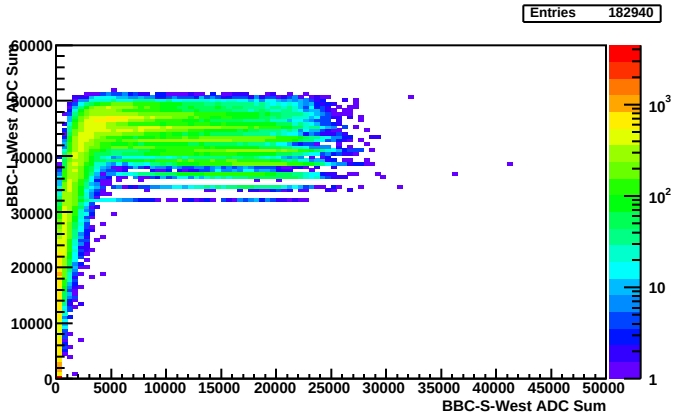

Entries 182940
TOF Mult
BBC-S-East ADC Sum

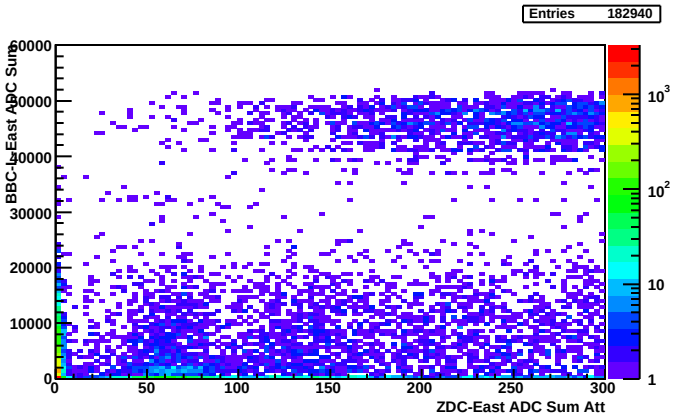

Entries 182940
TOF Mult
BBC-S-West ADC Sum

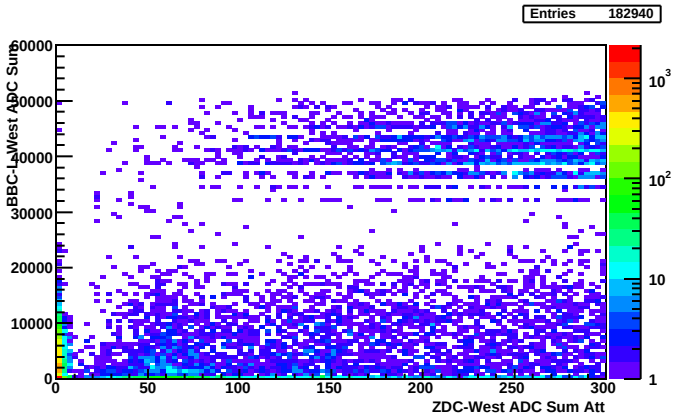

Entries 182940
TOF Mult
ZDC-East ADC Sum Att


Entries 182940
TOF Mult
ZDC-West ADC Sum Att


Entries 182940
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 182940
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 182940
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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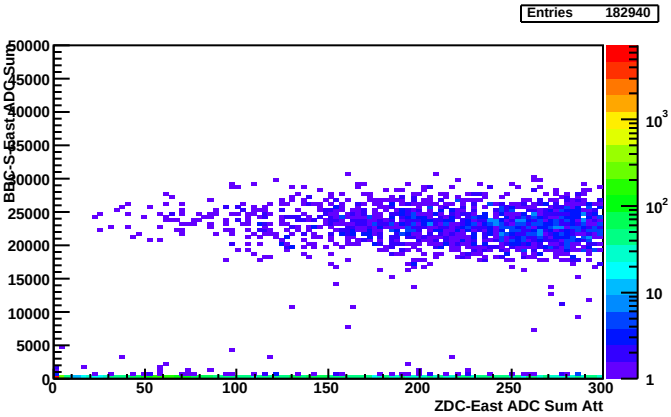
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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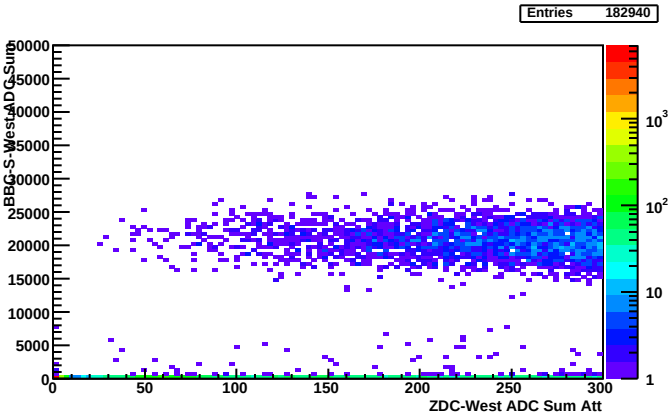
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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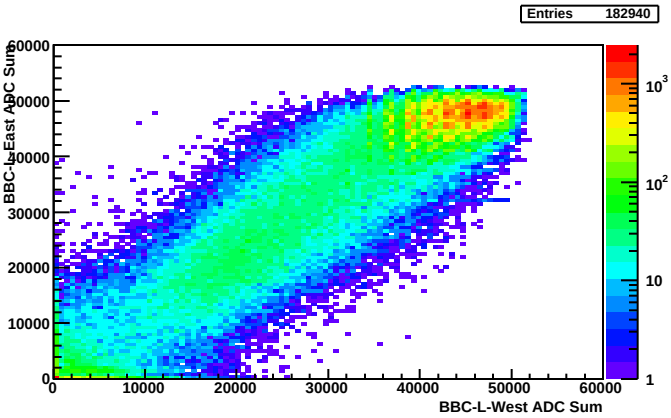
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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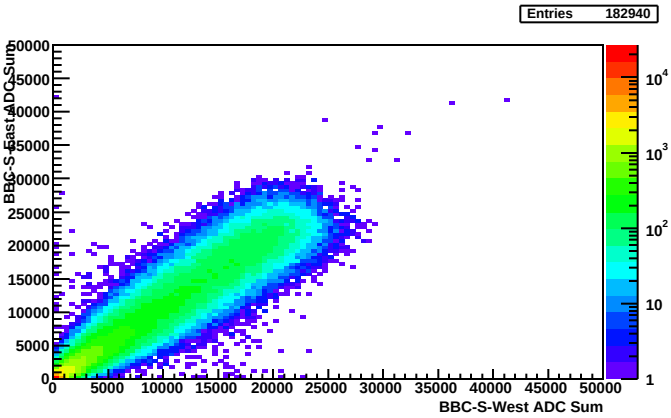
BBC-L-East ADC Sum
BBC-L-West ADC Sum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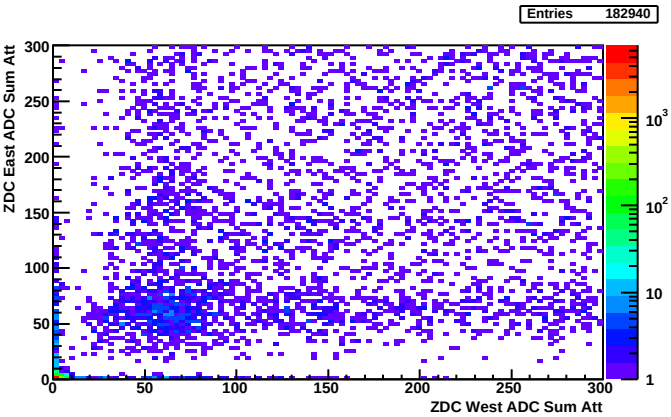
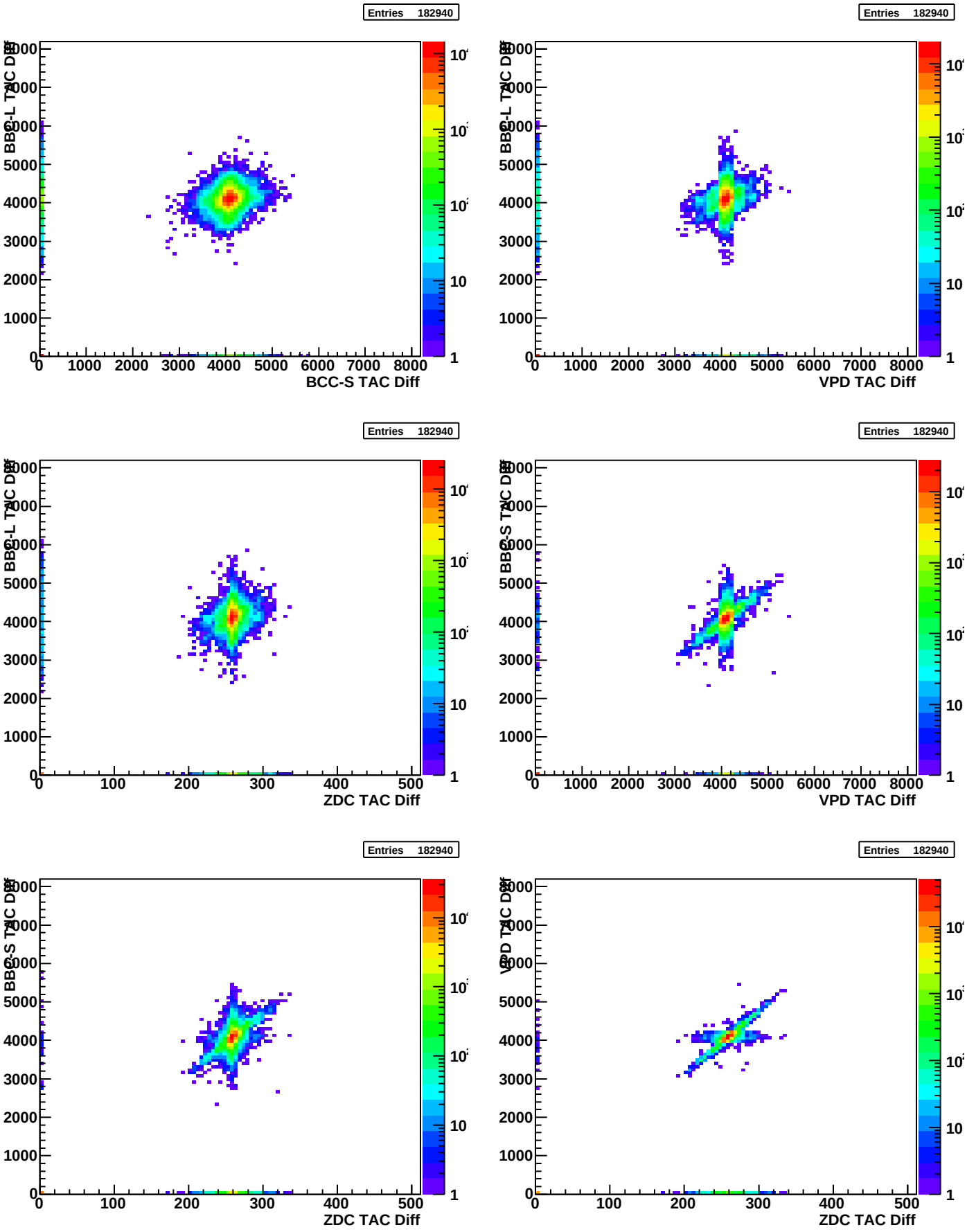
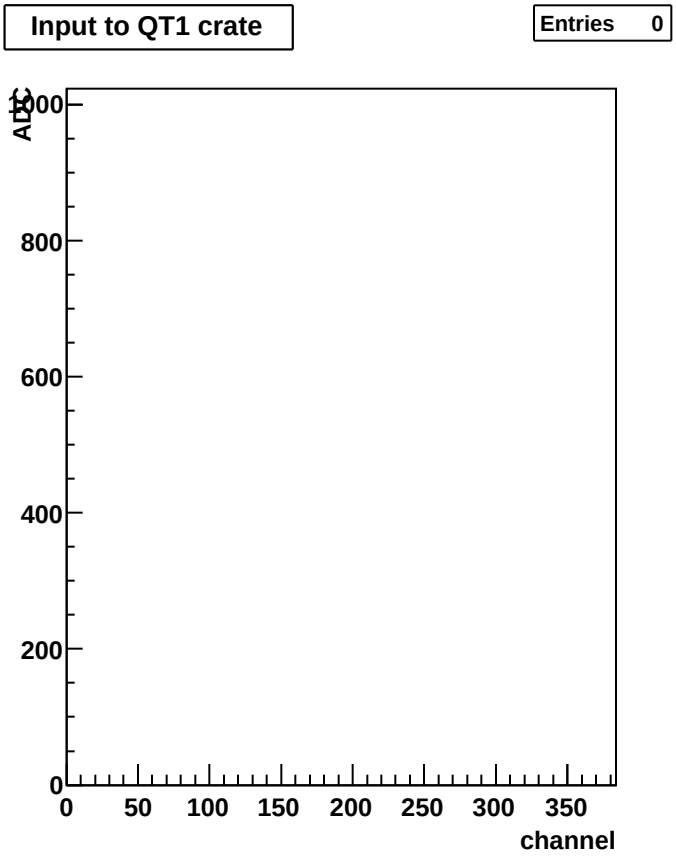
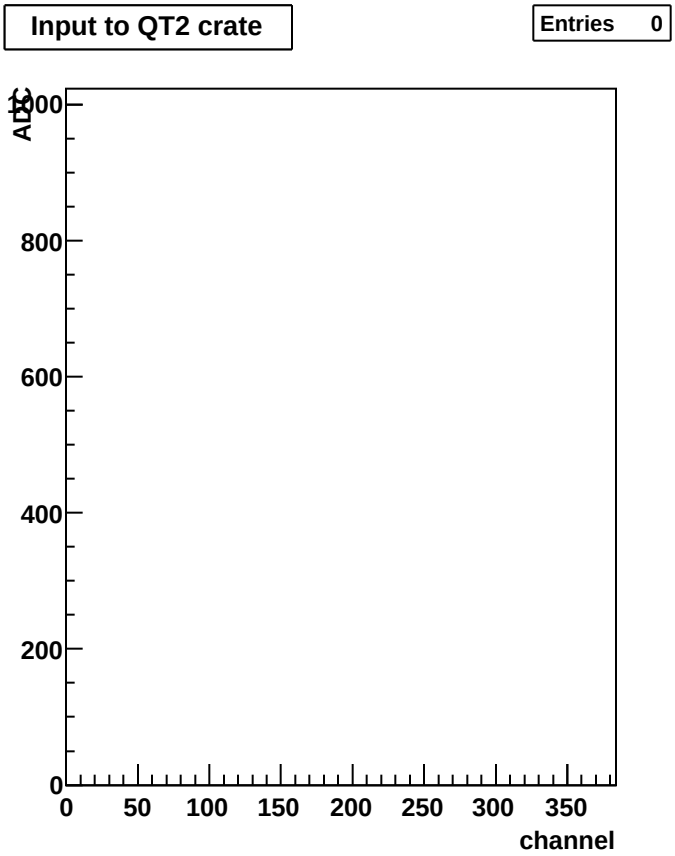
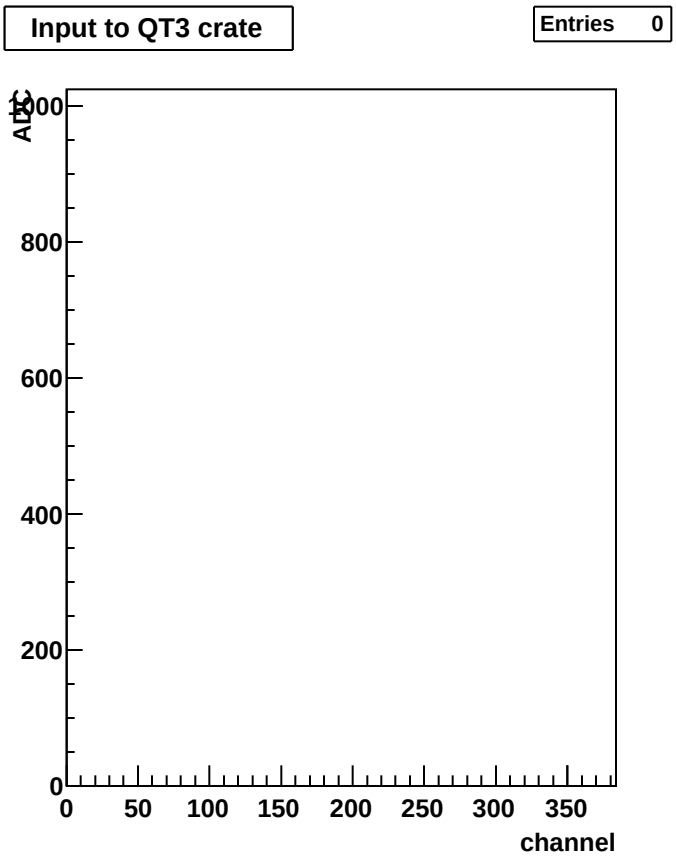
BBC-S-East ADC Sum
BBC-S-West ADC Sum

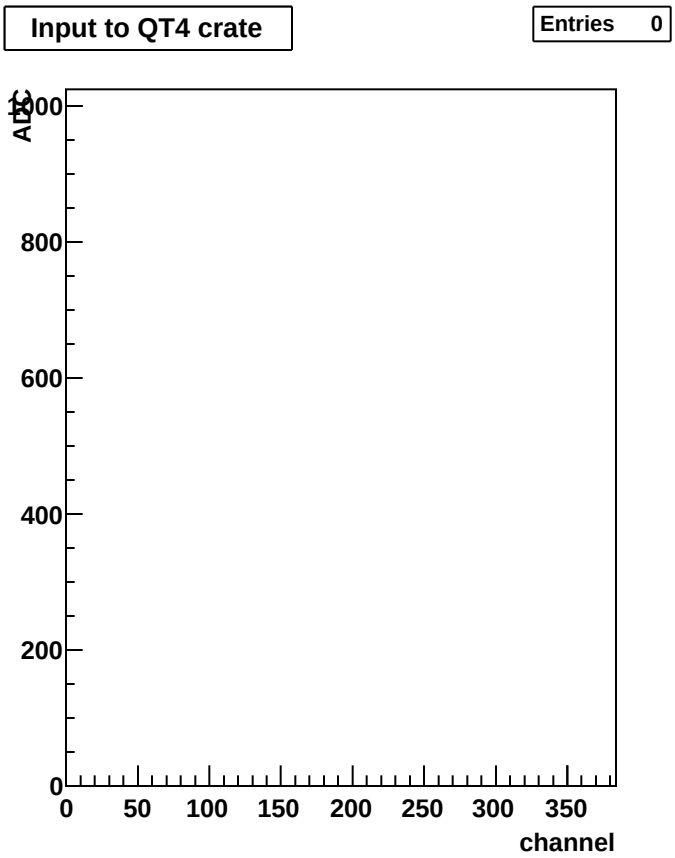

Entries 182940
ZDC East ADC Sum Att
ZDC West ADC Sum Att

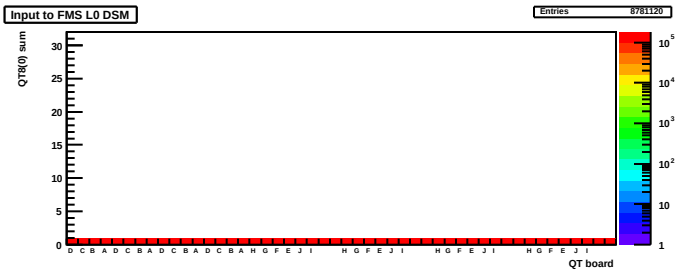

Entries 182940
BBC-L TAC Diff
BCC-S TAC Diff
Entries 182940
BBC-L TAC Diff
VPD TAC Diff
Entries 182940
BBC-L TAC Diff
ZDC TAC Diff
Entries 182940
BBC-S TAC Diff
VPD TAC Diff
Entries 182940
BBC-S TAC Diff
ZDC TAC Diff
Entries 182940
VPD TAC Diff
ZDC TAC Diff

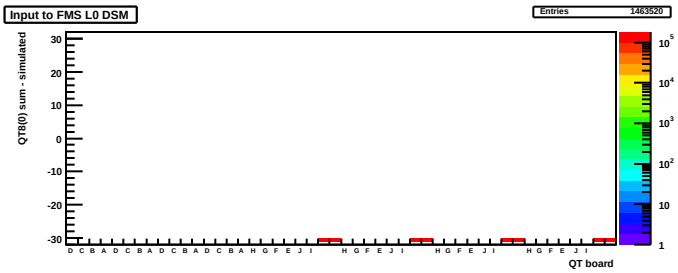

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

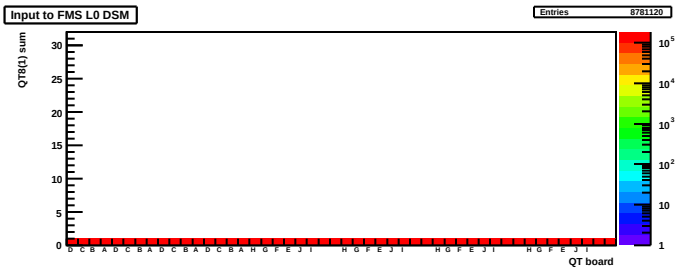

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

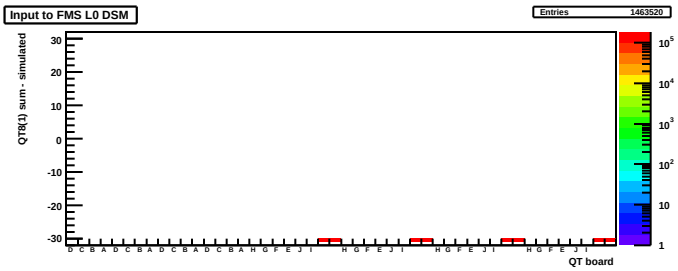

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

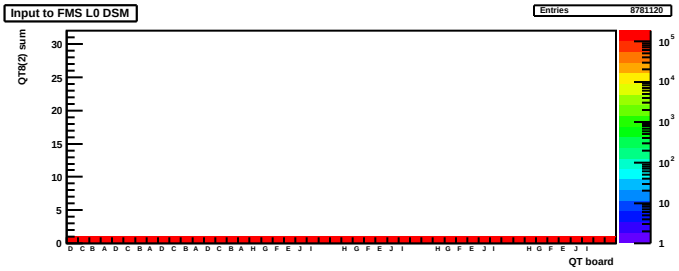

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

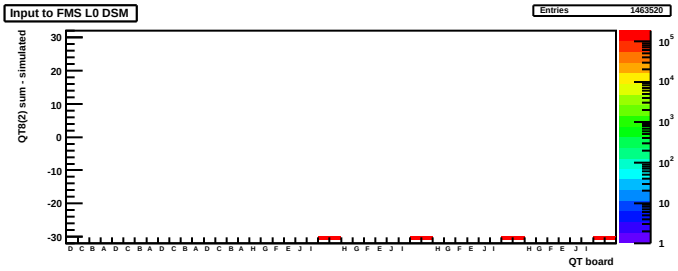

Input to FMS L0 DSM
Entries 8781120
QT8(0) sum
QT board

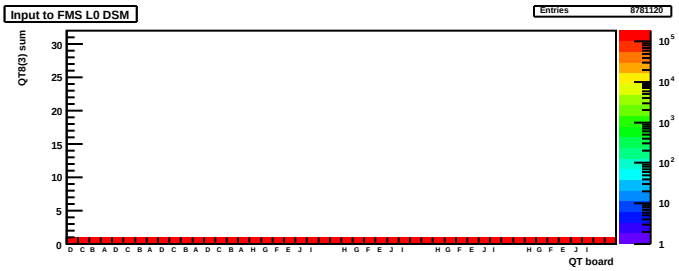

Input to FMS L0 DSM
Entries 1463520
QT8(0) sum - simulated
QT board

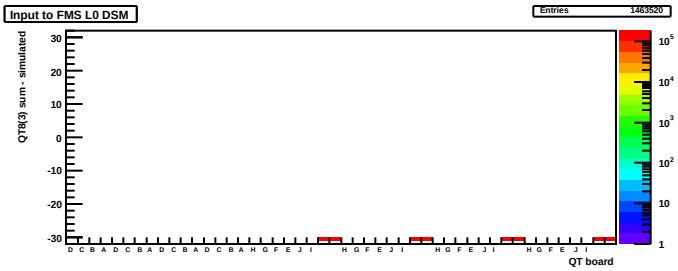

Input to FMS L0 DSM
Entries 8781120
QT8(1) sum
QT board

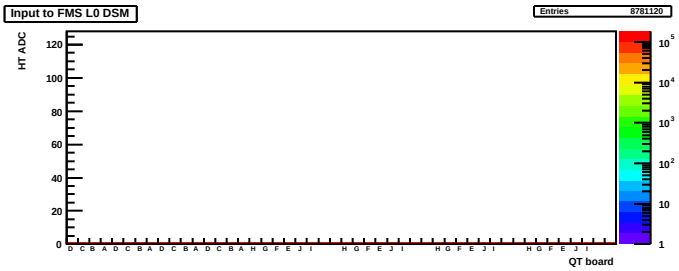

Input to FMS L0 DSM
Entries 1463520
QT8(1) sum - simulated
QT board

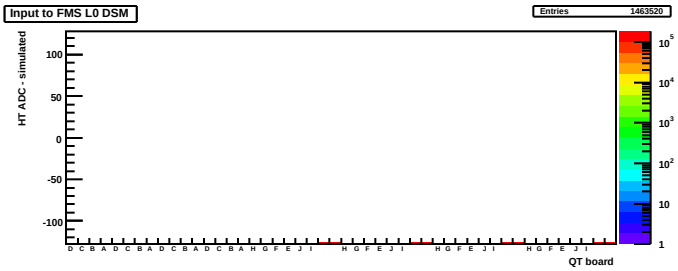

Input to FMS L0 DSM
Entries 8781120
QT8(2) sum
QT board

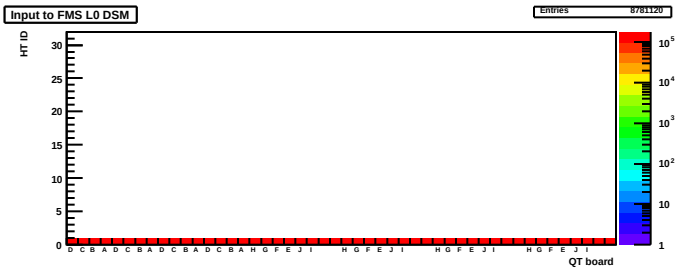

Input to FMS L0 DSM
Entries 1463520
QT8(2) sum - simulated
QT board

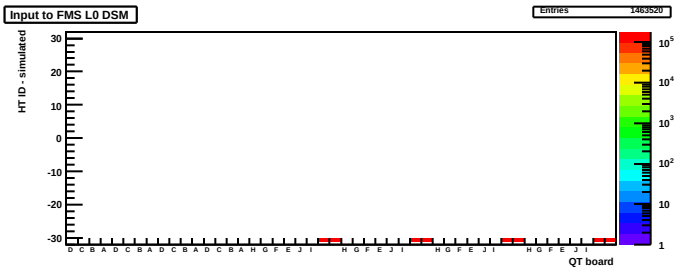

Input to FMS L0 DSM
Entries 8781120
QT8(3) sum
QT board

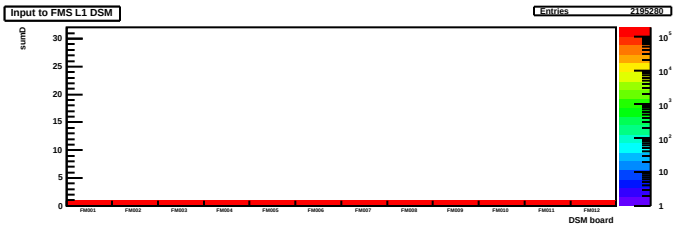

Input to FMS L0 DSM
Entries 1463520
QT8(3) sum - simulated
QT board

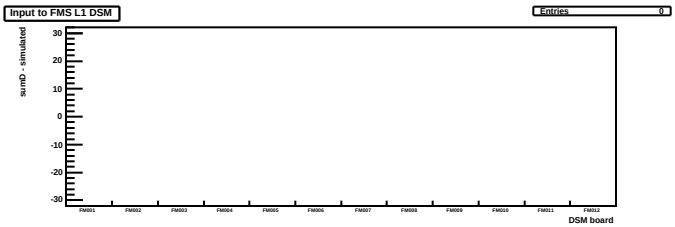

Input to FMS L0 DSM
Entries 8781120
HT ADC
QT board

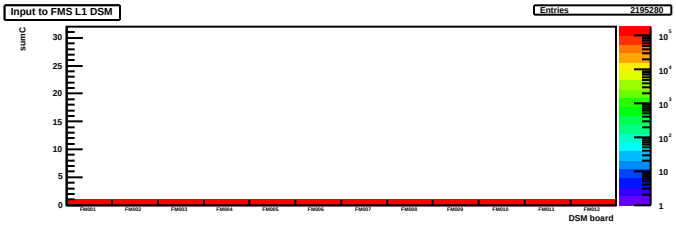

Input to FMS L0 DSM
Entries 1463520
HT ADC - simulated
QT board

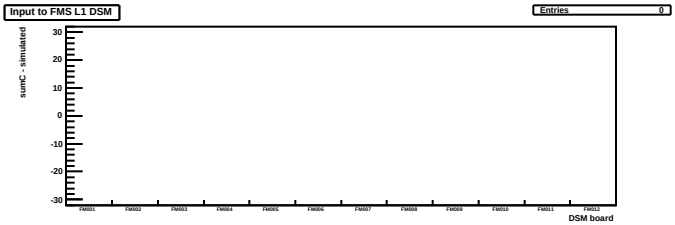

Input to FMS L0 DSM
Entries 8781120
HT ID
QT board

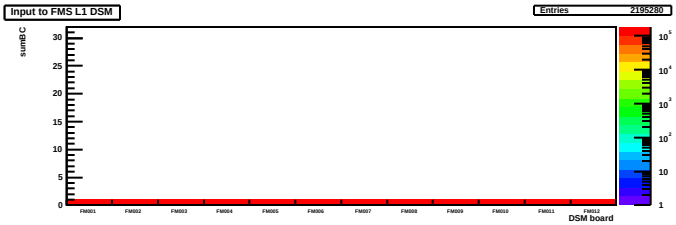

Input to FMS L0 DSM
Entries 1463520
HT ID - simulated
QT board

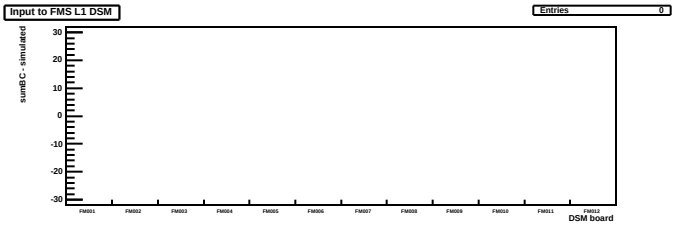

Input to FMS L1 DSM
Entries 2195280
sumD
DSM board

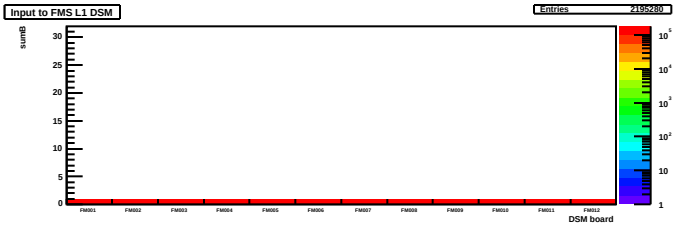

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

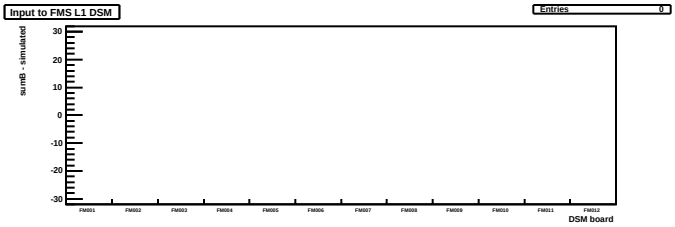

Input to FMS L1 DSM
Entries 2195280
sumC
DSM board

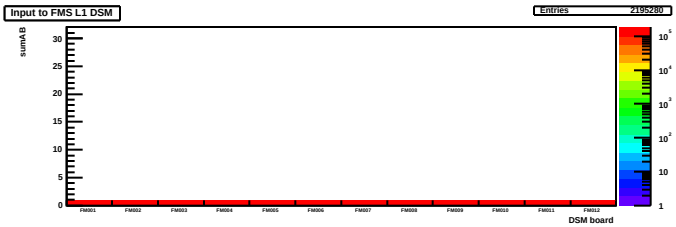

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

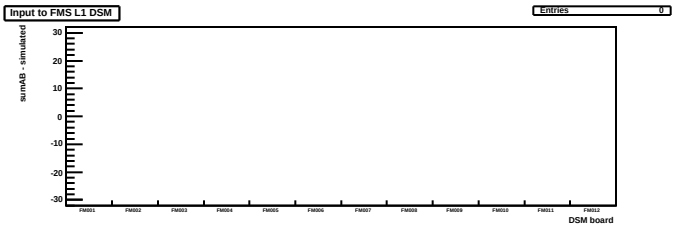

Input to FMS L1 DSM
Entries 2195280
sumBC
DSM board

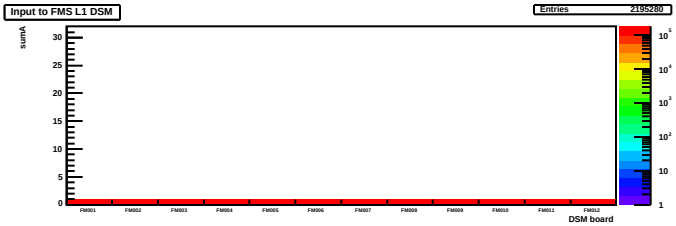

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

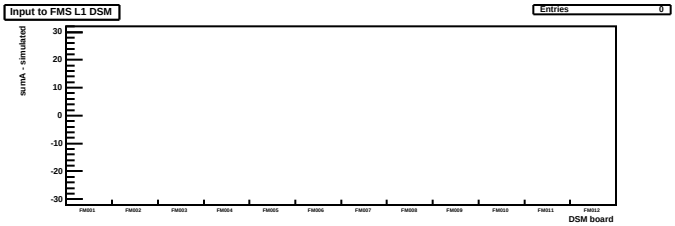

Input to FMS L1 DSM
Entries 2195280
sumB
DSM board

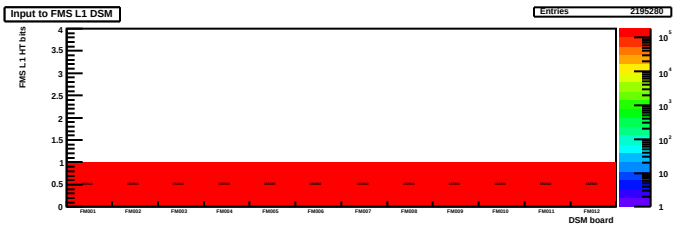

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

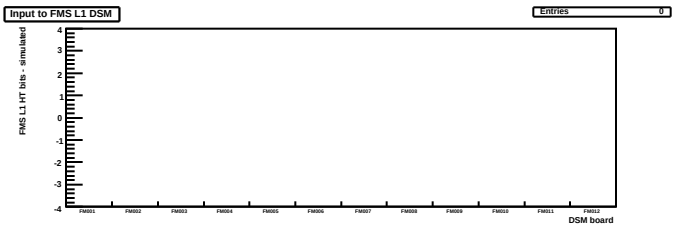

Input to FMS L1 DSM
Entries 2195280
sumAB
DSM board

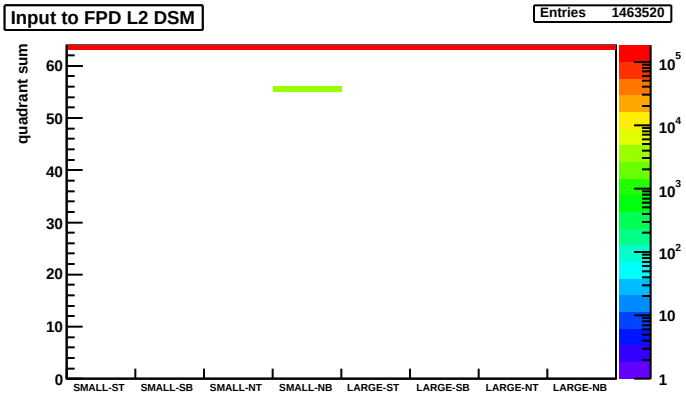

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

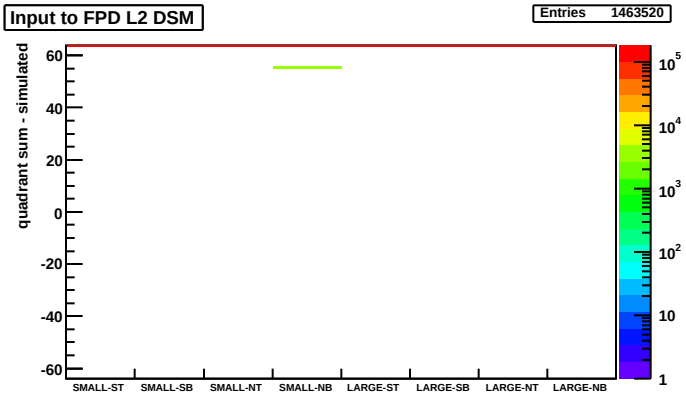

Input to FMS L1 DSM
Entries 2195280
sumA
DSM board

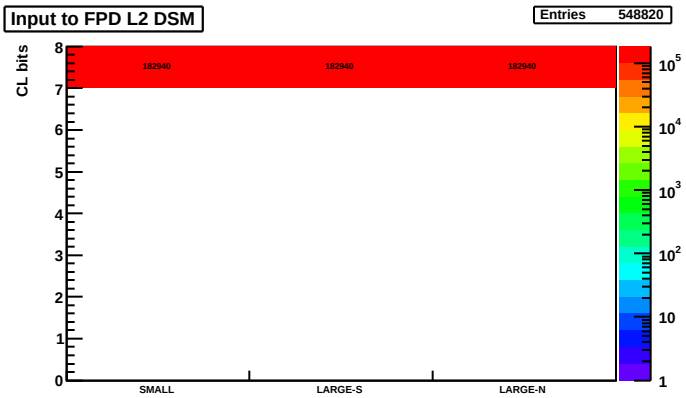

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

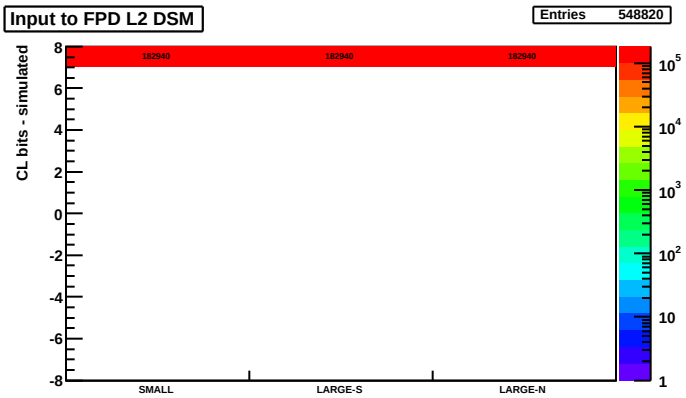

Input to FMS L1 DSM
Entries 2195280
FMS L1 HT bits
DSM board

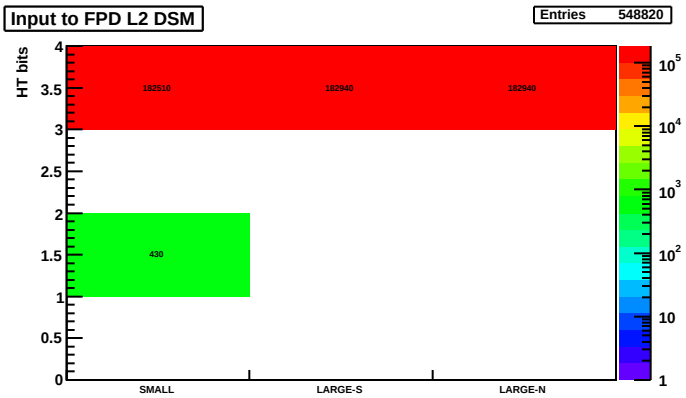

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

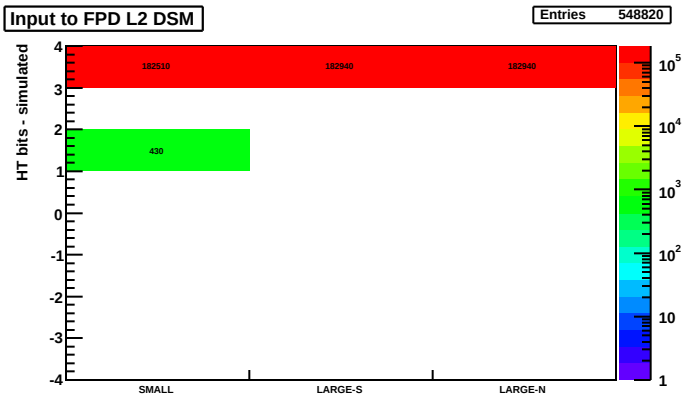

Input to FPD L2 DSM
Entries 1463520
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

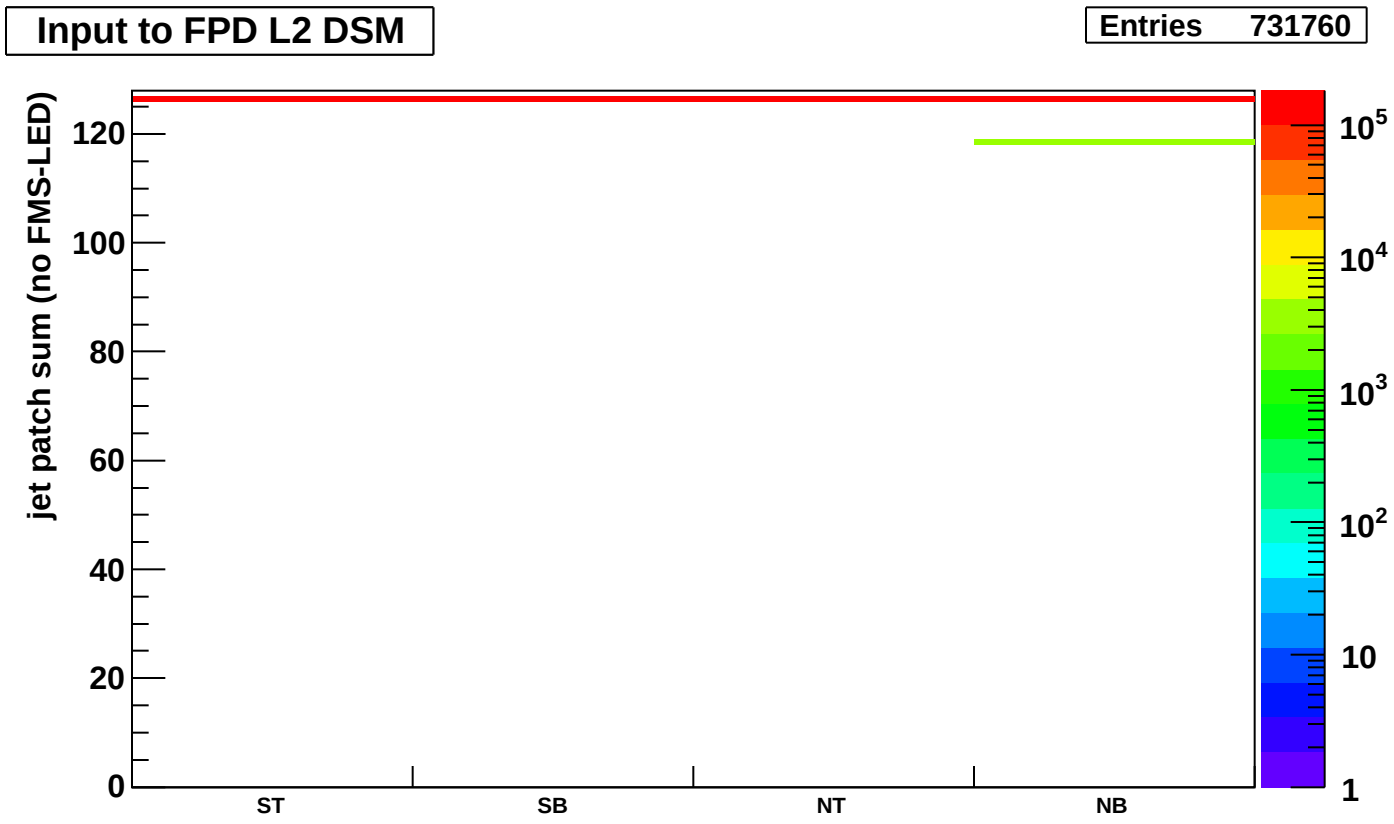

Input to FPD L2 DSM
Entries 1463520
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

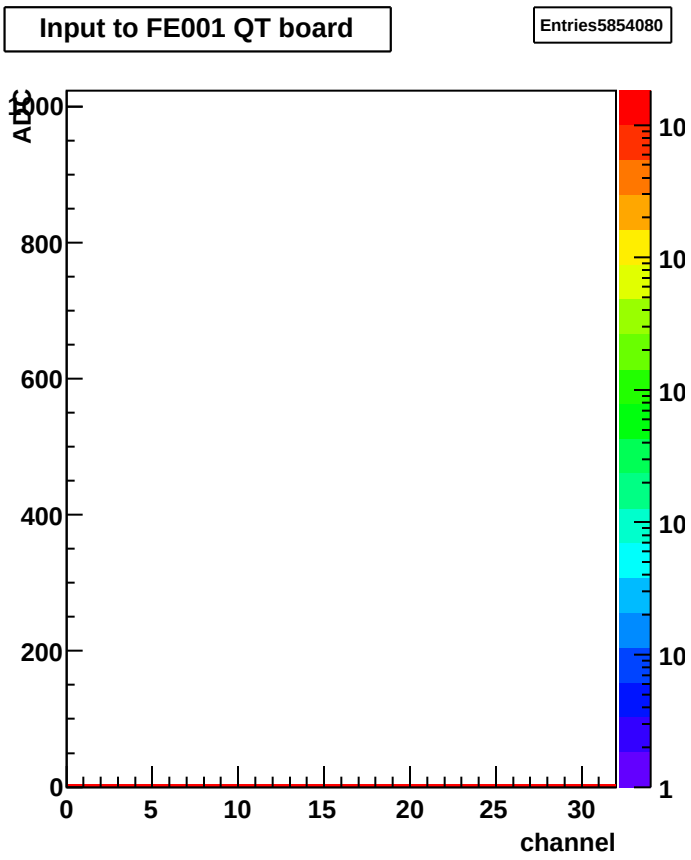

Input to FPD L2 DSM
Entries 548820
CL bits
182940
182940
182940
SMALL
LARGE-S
LARGE-N

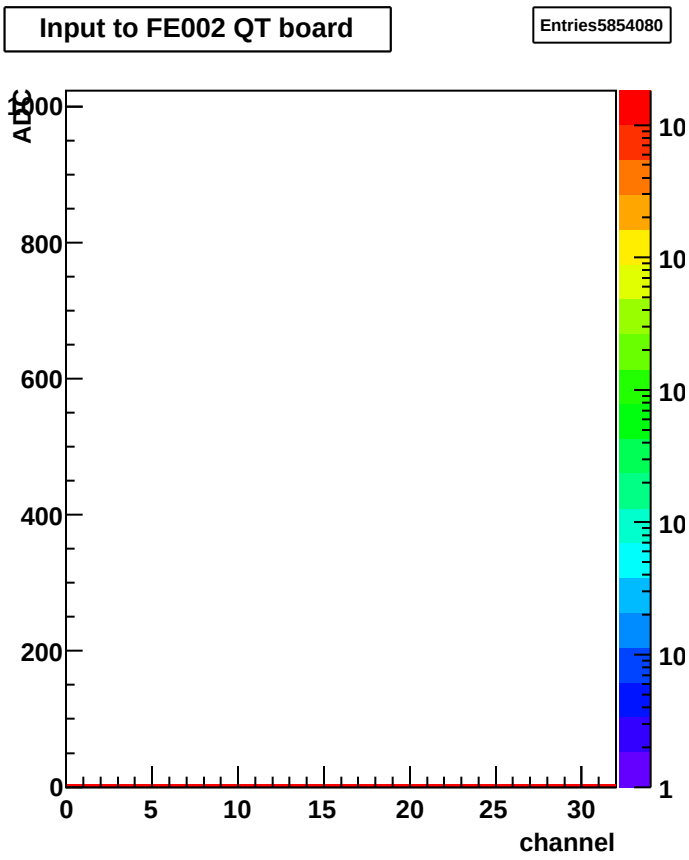

Input to FPD L2 DSM
Entries 548820
CL bits - simulated
182940
182940
182940
SMALL
LARGE-S
LARGE-N

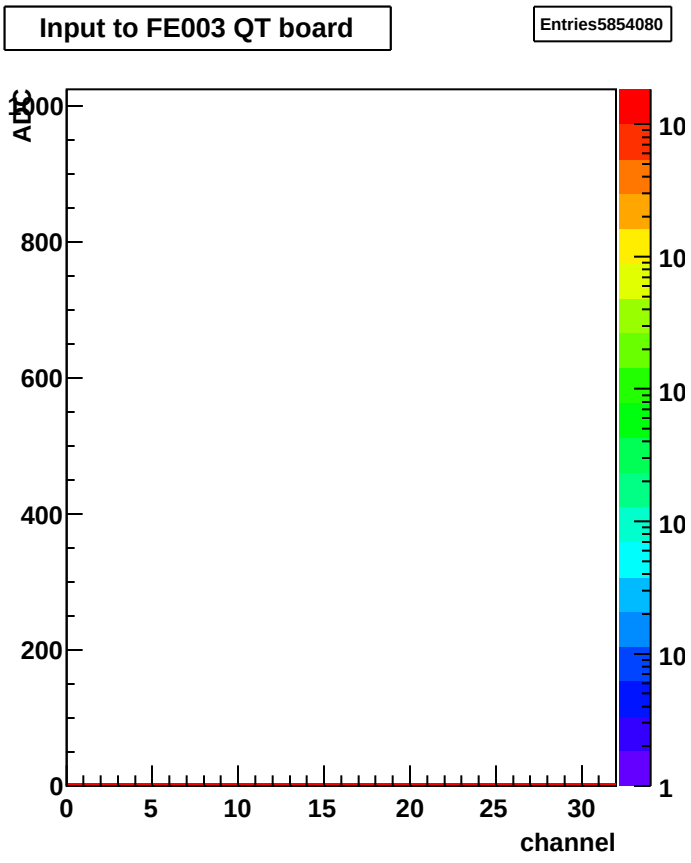

Input to FPD L2 DSM
Entries 548820
HT bits
182510
182940
182940
430
SMALL
LARGE-S
LARGE-N

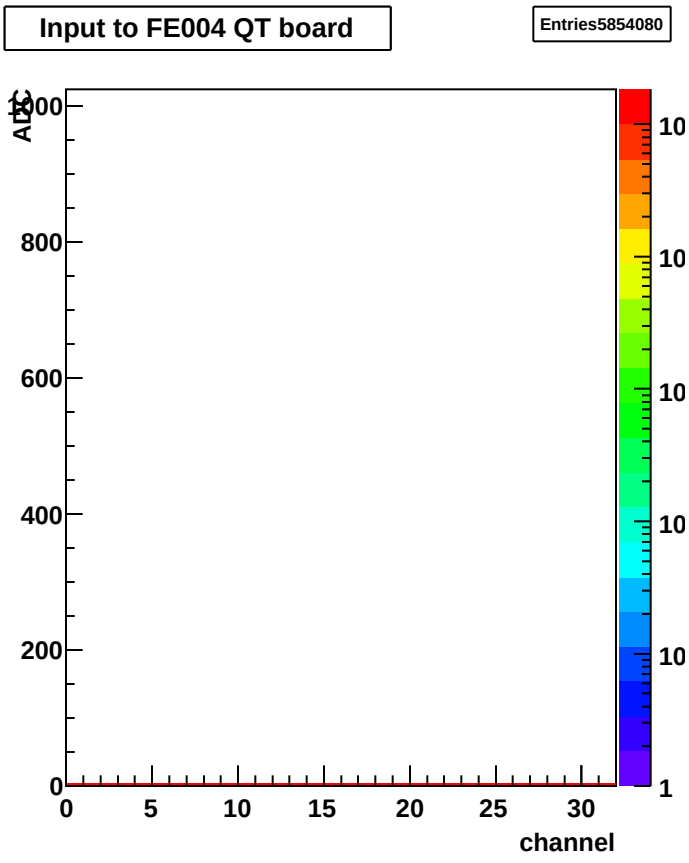

Input to FPD L2 DSM
Entries 548820
HT bits - simulated
182510
182940
182940
430
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 731760
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

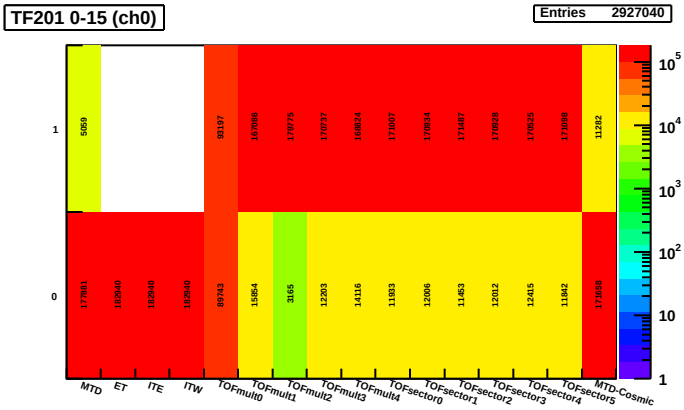

Input to FE001 QT board
Entries5854080
ADC
channel


Input to FE002 QT board
Entries5854080
ADC
channel

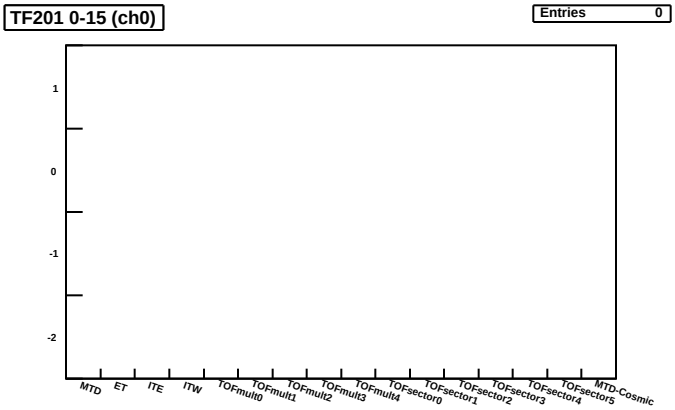

Input to FE003 QT board
Entries5854080
ADC
channel


Input to FE004 QT board
Entries5854080
ADC
channel

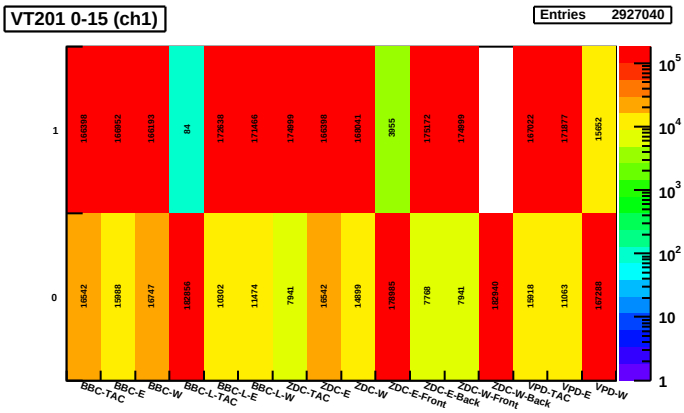
TF201 0-15 (ch0)



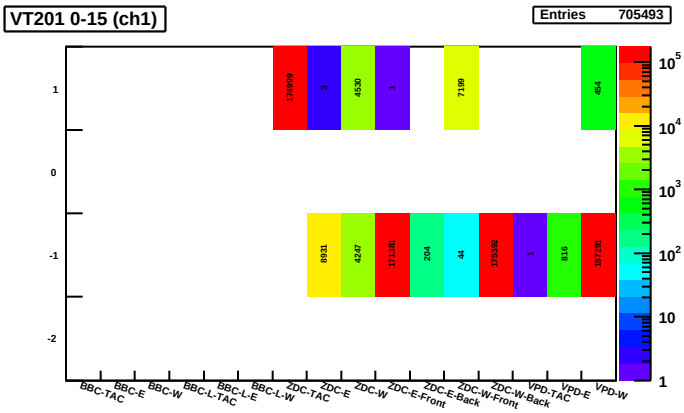
TF201 0-15 (ch0)



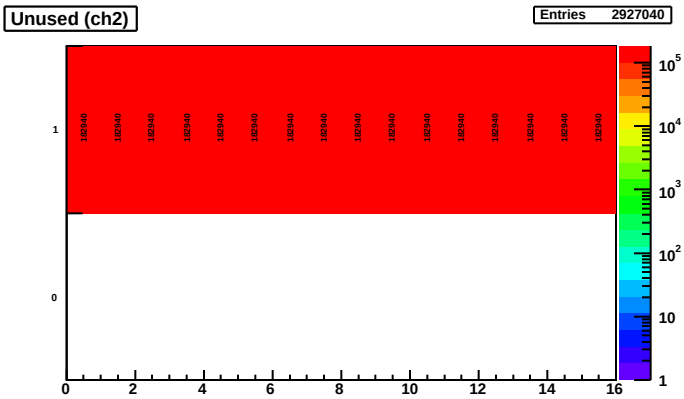
VT201 0-15 (ch1)

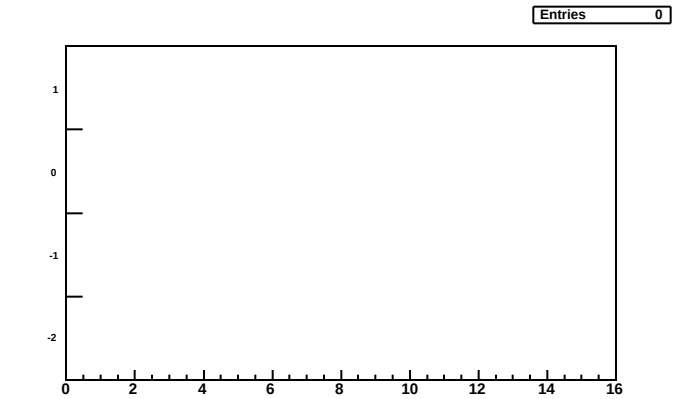


VT201 0-15 (ch1)

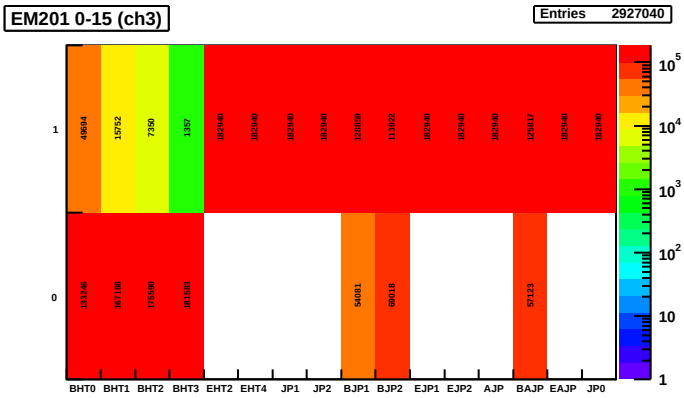


Unused (ch2)

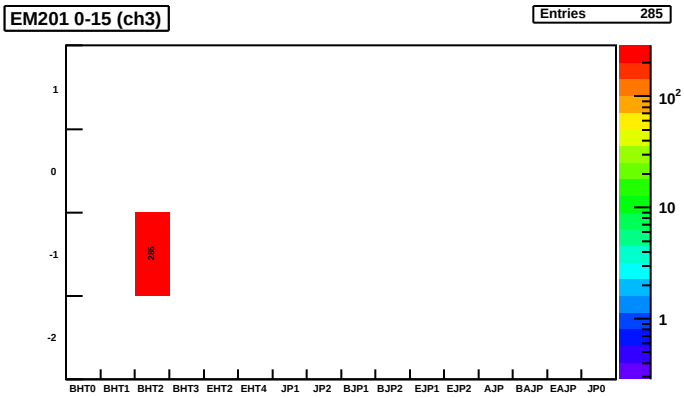


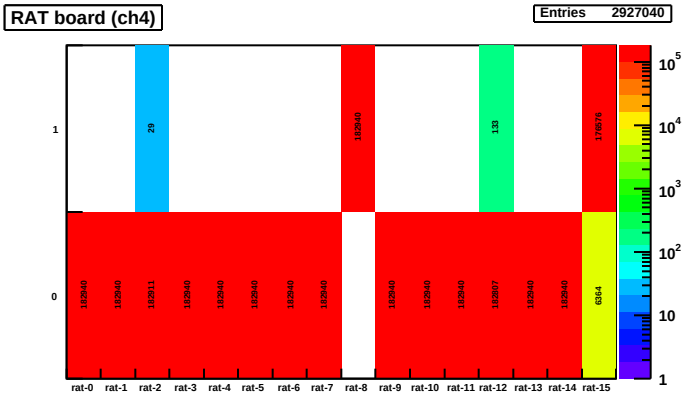


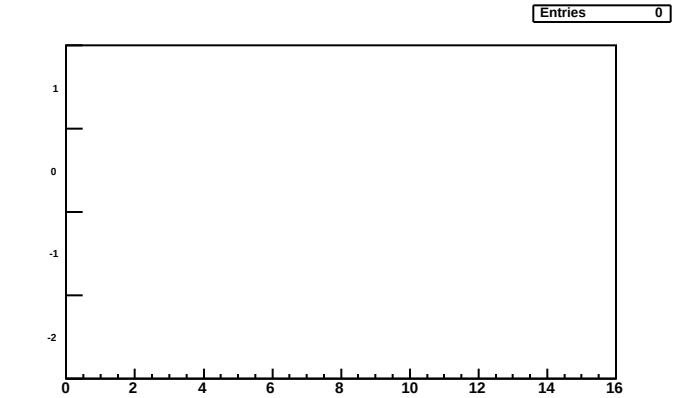
EM201 0-15 (ch3)

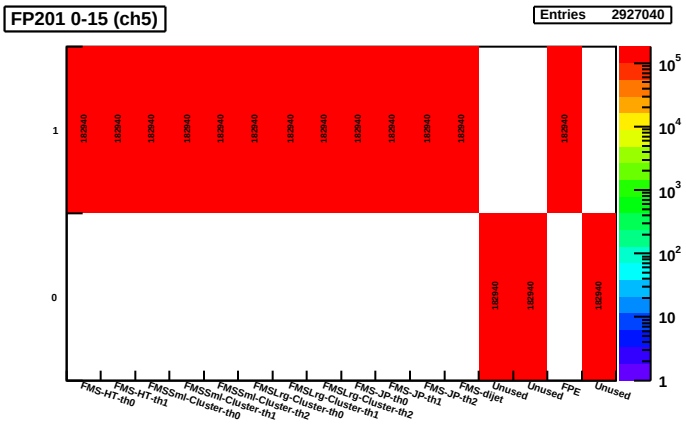


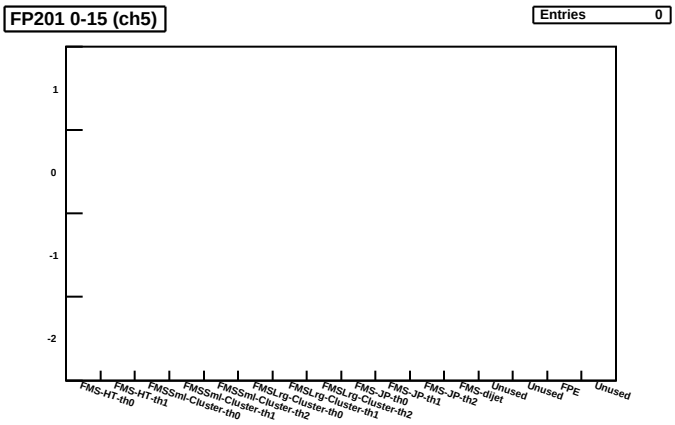
EM201 0-15 (ch3)

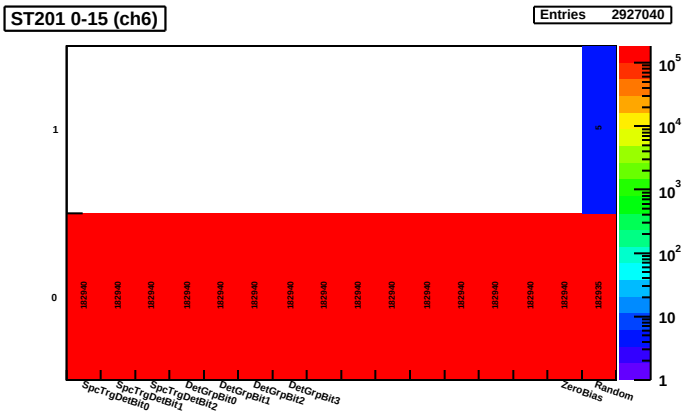


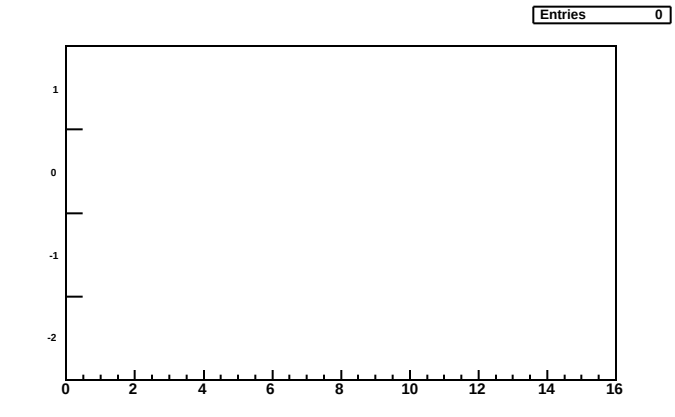

RAT board (ch4)
Entries 2927040
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

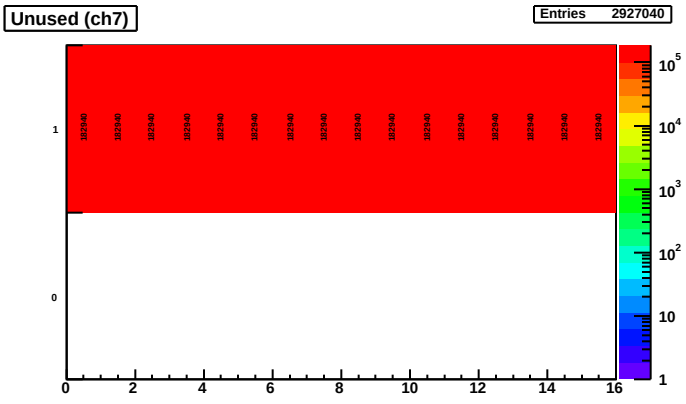

Entries 0

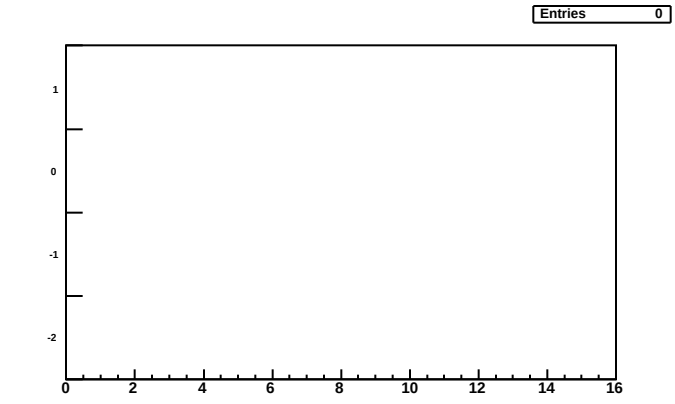

FP201 0-15 (ch5)
Entries 2927040
FMS-HT-th0
FMS-HT-th1
FMSSml-Cluster-th0
FMSSml-Cluster-th1
FMSSml-Cluster-th2
FMSLrg-Cluster-th0
FMSLrg-Cluster-th1
FMSLrg-Cluster-th2
FMS-JP-th0
FMS-JP-th1
FMS-JP-th2
FMS-diJet
Unused
Unused
FPE
Unused


FP201 0-15 (ch5)
Entries 0
FMS-HT-th0
FMS-HT-th1
FMSSml-Cluster-th0
FMSSml-Cluster-th1
FMSSml-Cluster-th2
FMSLrg-Cluster-th0
FMSLrg-Cluster-th1
FMSLrg-Cluster-th2
FMS-JP-th0
FMS-JP-th1
FMS-JP-th2
FMS-diJet
Unused
Unused
FPE
Unused


ST201 0-15 (ch6)
Entries 2927040
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetGrpBit0
DetGrpBit1
DetGrpBit2
DetGrpBit3
ZeroBias
Random


Entries 0


Unused (ch7)
Entries 2927040


Entries 0